



# MY IIT - JEE PREPARATION

Joint Entrance Examination - 2009

**JOINT ENTRANCE EXAMINATION - 2009**

**Indian Institutes of Technology**

Bhubaneswar Bombay Delhi Gandhinagar Guwahati Hyderabad  
Kanpur Kharagpur Madras Patna Punjab Rajasthan Roorkee

[Information](#) [Courses](#) [Syllabus](#) [Exam Centres](#) [Appl. Forms](#) [How to Apply](#) [Post Exam](#)

**JEE - 2009 Result**

Registration Number : 2076372

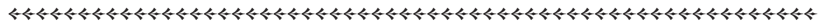
Name : NITIN JAIN

We are pleased to inform you that you have qualified in JEE 2009.

All India Rank : 1

**Counselling Schedule :**

Date & Time : 13/06/2009, 9:00 AM  
Venue : IIT DELHI

***My 'smart' fundamentals***

Sometimes I feel like laughing out loud at people who say I am a genius, that I am superhuman and a master of science and mathematics. I also feel sad for those who keep burning the midnight oil with an aim of cracking competitive exams, but have never strategized their schedule. Frankly, I am just another student. It is my good fortune that I developed interest in studies from the very beginning of school, understood the significance of time management early on, and received unconditional support of the right people at the right time. Moreover, what people call 'hard work' is actually a synonym for 'smart work'.

Like any other student, the tension, the eagerness, the anxiety, and the fear of the unknown have always been there in me too, but a consistently positive frame of mind and an unstinting faith in myself have kept me going.

***Judgment day***

I suppose all of us, sometimes fantasize about the day when our efforts will be recognized and appreciated by our loved ones, and when that dream finds fruition, it becomes one of the defining moments of our lives.

I remember that hot and humid night of May 2007, when most of the people were adjusting their coolers and air conditioners to beat the summer heat. I was fighting an altogether different kind of heat that was bothering my mind. Somehow, I managed to get some hours of sleep. The next morning, I was logging on and off at the CBSE website, as the class X board results were expected to be announced anytime.



| केन्द्रीय माध्यमिक शिक्षा बोर्ड<br>CENTRAL BOARD OF SECONDARY EDUCATION<br>अंक विवरणिका MARKS STATEMENT<br>0097130<br>सोनियर स्कूल सर्टिफिकेट परीक्षा, 2009<br>ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION, 2009 |                    |                            |             |                             |                                    |                                  |
|--|--------------------|----------------------------|-------------|-----------------------------|------------------------------------|----------------------------------|
| नाम Name   |                    | NITIN JAIN                 |             | अनुक्रमांक Roll No. 2609391 |                                    |                                  |
| माता का नाम Mother's Name  |                    | KUMKUM JAIN                |             |                             |                                    |                                  |
| पिता का नाम Father's Name  |                    | NEM CHAND JAIN             |             |                             |                                    |                                  |
| विद्यालय School 04079 MODERN VIDYA NIKETAN SR SEC SCH SEC 17 FBD HRY   |                    |                            |             |                             |                                    |                                  |
| विषय कोड<br>SUB.<br>CODE   | विषय SUBJECT       | प्राप्त अंक MARKS OBTAINED |             |                             | विलंब ग्रेड<br>POSITIONAL<br>GRADE |                                  |
|  |                    | लि.<br>TH                  | प्रा.<br>PR | योग<br>TOTAL                |                                    | योग शब्दों में<br>TOTAL IN WORDS |
| 301  | ENGLISH CORE       | 090                        | XXX         | 090                         | NINETY                             | A1                               |
| 041  | MATHEMATICS        | 100                        | XXX         | 100                         | ONE HUNDRED                        | A1                               |
| 042  | PHYSICS            | 067                        | 030         | 097                         | NINETY SEVEN                       | A1                               |
| 043  | CHEMISTRY          | 066                        | 030         | 096                         | NINETY SIX                         | A1                               |
| 048  | PHYSICAL EDUCATION | 062                        | 030         | 092                         | NINETY TWO                         | A1                               |
| 500  | WORK EXPERIENCE    |                            |             |                             |                                    | A2                               |
| 502  | PHY & HEALTH EDUCA |                            |             |                             |                                    | A2                               |
| 503  | GENERAL STUDIES    |                            |             |                             |                                    | A1                               |

परिणाम Result **PASS**

संक्षिप्तों का अर्थ : Abbreviations  
 AB : विषय में अनुपस्थित Absent in the Subject  
 EX : छूट - प्राप्त Exempted  
 FP : प्रयोगात्मक में असफल Fail in Practical  
 FT : लिखित में असफल Fail in Theory

दिल्ली Delhi 20-05-2009  
 दिनांक Dated

M. L. V. M. P.  
 परीक्षा नियंत्रक  
 Controller of Examinations

## Motivational Quotes

*"If you believe in yourself, you are on the first step of success's stairs"*

*"It doesn't get any tougher if you have confidence and believe in yourself."*

*"Embrace Change. True success can be defined by your ability to adapt to changing circumstances."*

While IIT was on a long-term agenda, the next major step or the short-term goal was to get cracking on NTSE. The first round of the exam was a cakewalk and I cleared the same in August last year. Then I had to attend the camp for NTSE second round in Gurgaon. In the second round, I met students from across Haryana, and got to know about the talent that existed beyond my hometown. We were trained & tested for 15 days, and based on the training; the students were selected for a final round of interviews to be held in Delhi.

**Dr. Jaiprakash Gour**  
**Vice Principal, MVN**  
**School, Sec-17, Faridabad**

*"Mr. J.P. Gaur On Nitin Jain"*  
*I feel very proud to be a part of faculty. It remains a memorable experience of a life time to teach Physics to this reticent but very bright boy. This child is a very special and talented boy, guiding whom was a teacher's delight. With respect, punctuality and sincerity of purpose being his hallmark, this boy has gone from success to greater success, creating milestones. Apart from taking the nation by storm by topping IIT-JEE and AIEEE, he has blazed a trail by claiming gold medals in Indonesia, Mexico and Iran in the field of Astronomy and Physics. I pray to the almighty to show him the right path of life and steer him clear of all obstacles. May he go on to be a Nobel-laureate and do his Alma Mater proud, as no one has ever done so profoundly before.*



worry about that it is my responsibility), which was picked up as the headline for a news story.

### ‘सर! आप चिंता न करो...’

नितिन जैन ने जब दसवीं की परीक्षा दी थी तो उसने 11वीं में प्रोविजनल दाखिले के लिए एमवीएन स्कूल का रुख किया। इस पर स्कूल के फिजिक्स के शिक्षक जय प्रकाश गौड़ नितिन से बोले कि इतना पाठ्यक्रम कैसे कवर करोगे। नितिन का जवाब था, ‘सर! आप चिंता न करो, यह मेरा काम है।’ नितिन के मुंह से निकले विश्वास भरा यह जवाब सुनकर शिक्षक जय प्रकाश गौड़ को तभी आभास हो गया था कि यह लड़का टॉप करेगा। सोमवार को नितिन ने अपने शिक्षक की इस सोच को सही साबित कर दिया। नितिन के बारे में शिक्षक जय प्रकाश ने कहा कि पूरी पढ़ाई के दौरान इसे कभी बताने की जरूरत ही नहीं पड़ी। उसकी माता कुमकुम जैन व पिता नेम चंद जैन ने कहा कि उन्हें अपने इस पुत्र पर नाज है। इसने परिवार की परंपरा को आगे बढ़ाया है।

*Navbharat Times, Last week of May 2009 (after IIT-JEE results)*

To prepare for IIT-JEE I decided to join a coaching institute. I believe coaching helps in maintaining regularity and also gives a direction to one's preparation.

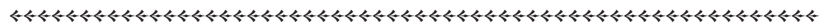
Although my school had an internal coaching programme for IIT-JEE, I decided to go for an external coaching institute. My reasoning was that at MVN my interaction would be restricted to my then colleagues, whereas at an external coaching institute I would get more exposure and a chance to interact with students from different schools of Delhi & NCR.

### ***The learning centre***

The next question was: which institute to join? At one stage, because of distance and travelling issues, I thought that I should join any coaching institute in Faridabad, but considering that I needed a competent level of exposure and a real feeling of competition, I realized I would need to go to Delhi.







I appeared in scholarship-cum-admission tests of many leading coaching institutes. As expected, I did well in most of them and got good scholarship offers. The distance to travel for the coaching in South Delhi was also a concern.

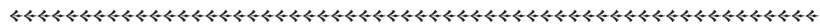
My clear preference was Vidya Mandir Classes (VMC), Punjabi Bagh, New Delhi, from where the majority of toppers pass out every year. But that was the farthest institute from my home and my father was adamant that I should not be travelling so far every day. Although my mother was supportive and wanted me to appear for the VMC exam, father never agreed and the thought was dumped. Initially, I felt a bit sad but have no regrets now.

Finally, in June 2007, on the advice of my parents, I joined the FIITJEE week-end programme. The decision to join the institute had been delayed, and by the time I enrolled there, I had already missed the initial few classes. The institute made my father sign an undertaking that it would not be responsible for my results, as I had missed the initial classes.

***Scheduling time***

My daily schedule was all set by the end of June. I used to attend school from Mondays to Fridays, and go for coaching classes on Saturdays and Sundays. The transport problem was solved with a convenient car pool. A couple of my friends and I hired a cab that used to take us to the coaching institute. On weekends, my day would start at eight in the morning, and end late in the evening.



***Never miss school***

I never missed a class at school and never missed the coaching class or home study. I believe that school is necessary in preparation for IIT-JEE because at home you are distracted by various things around you and cannot concentrate on studies. I would go to school even when the attendance was very thin in class and most of the students were preparing at home for their competitive exams.

Moreover, most parts of the syllabi of class XII board exams and IIT-JEE are similar. The only difference is that in board exams the focus is on concepts, whereas in competitive exams the focus is on application of the concepts to real-life situations. The crucial factor for success in both, board exams and competitive exams, is thorough understanding of basic concepts. Therefore, I strongly believe that school prepares the base/foundation of your preparation for higher-level examination.

***Concept is The Key***

Whenever I study/learn about a concept, I try to delve deep into the subject and understand the correlation of the concept with other concepts of the same subject. I try to correlate the learnings of my subjects with day-to-day life and practical examples.

After learning a new concept, I ask myself the following questions:

- What is the concept all about, and what is its significance?
- What are the exceptions to this concept?
- When, where and how to apply this concept?



**Mr. S.K. Saxena  
Mathematics (PGT)**

*Nitin Jain was a student of my class XI & XII. When he was in class XI, I observed in the very beginning that his ability to understand the topic was very high. He always did his home work in time, while many others were not able to do so. Most of the students of non-medical stream go for coaching and neglect the school activities & studies, but Nitin came to school regularly and paid full attention to school study. **He often pointed out those problem whose answer is given wrong in the books.** Many a times he told me, "Sir please check the answer in this book, my answer is different". When on checking, I would find that Nitin's answer is correct. Many times during the objective examinations, he told me "Sir no correct option is given in the question paper". I used to tell him, if you are confident that your answer is correct then work the answer with an extra option (e). At the time of evaluation, I would find that his option was correct. He was always ready for any examination and he never required time for preparation. While other students always demanded some more time. Although many of my students have cleared IIT-JEE examination with good rank but I have never seen a student like Nitin in my long teaching career.*

*By Sushil Kr. Saxena  
HOD Mathematics  
MVN Sector-17, Faridabad*





**Monika Wadhawa**  
**Chemistry (PGT)**  
**MVN School, Sector 17,**  
**Faridabad**

#### **WHEN DID I FIRST NOTICE HIM ?**

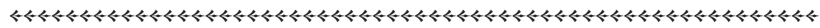
*In the beginning of class 11th after one of the lectures on gaseous state he came out with a very thought provoking question. It was not a numerical from a book or a package — but a basic doubt which showed how deeply he thought.*

#### **WHAT WAS DIFFERENT?**

- (i) *I seldom saw him taking down notes in the class. He used to listen attentively and his eyes and face reflected that thinking and processing was going on in his mind.*
- (ii) *During one of the objective exams he added an option 'e', other than the given options (a, b, c, d) and to my surprise (e) was the correct answer.*
- (iii) *He would be the first one to point out any errors in the answers of the objective questions.*
- (iv) *I corrected his 11th annual examinations (Chemistry) paper. Just as he was not very vocal, he had used minimum words while answering—brief, to the point but perfect. His approach to solving certain questions was sometimes very unique. He scored a perfect 100/100.*
- (v) *When he was in 12th, almost the entire time he was busy with the International Olympiad. I was a bit apprehensive about how he would perform in the selection test of IIT's (which is very tough by any standard). The other students got an extra week time to prepare for JEE, while he was in Indonesia. He gave the exam and topped. I was convinced — HE IS A GENIUS and HE IS ALWAYS PREPARED.*

#### **HIS BEHAVIOUR IN THE CLASS**

*Roll number, '27' Class XII-'A' — NITIN JAIN, is a roll number which I will never forget. In the class he was very polite, very humble with no attitude whatsoever. He never asked questions in the middle of a lecture. He used to come out at the end of the class and clear the doubts patiently.*



looking at the sky, the objects of nature, or the people around. I used to find this time alone healing in a way, as spending time alone with yourself helps you to understand yourself better and creates a bond within you and with your inner self.

After dinner, I used to study for two hours and then call it a day. I was always told by my parents that I should not exhaust myself studying late into the night and that I should sleep well daily.

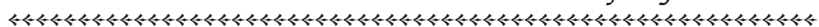
I never let this consistency break. The daily time schedule was strictly followed, and at times when I found myself not being able to follow the schedule, my parents were always there to motivate me with positive energy.

***Create Interest in Studies***

Try to create an abiding interest in studies, and enjoy whatever you study. I also wish to highlight the fact that I never studied because of any pressure or to top the examinations. I have always enjoyed studying. I always tell myself that until you settle in life, the largest part of your life is going to be spent studying. I never wanted the largest part of my life to be boring and dull. Hence, I began to love studying.

Moreover, when you find a subject interesting and enjoyable, you have a desire to learn more. The more you learn about a subject, the easier it becomes. Your interest in the subject increases if you focus upon its relevance in your everyday life. Do not restrict yourself to just learning the subject for an hour or so every day, but try and relate it to your life as a whole.

Regular revision is also an integral part of learning process. Quick review of concepts on regular basis not only helps in retaining and recalling but also in developing deep understanding of the concepts

***All Subjects are Important***

Another important aspect while studying is to devote more time to the subject/topic you are weak in. I do not know why most of us tend to devote more time on areas we are strong in and often shy away from our weakness. Equal importance to all the subjects ensures equal performance, resulting in uniform achievement. I was slightly weak in chemistry, which is why I used to spend a lot of time in reading and revising the chemical equations and reactions.

***Perfection is a Journey not Destination***

I believe that Perfection is never achieved - a belief that my parents shared with me. My parents always wanted me to be the best, and would keep reminding me that there was always a scope to improve. My brilliant scores in mock tests, my topping the class, or getting the highest ranks in scholarship exams were never regarded as big achievements. I was always told that there were miles to go.

My father used to find out the subjects that I was weak in. He would expect only the best from me and always pointed out my faults to me. I sometimes felt bad, that he was frugal with his appreciation for my achievements. But I was touched when I came to know his intention behind it. He gave me a story cutout that he had taken from a newspaper long back. It was a story about a father and a son. I read that story and understood my father's behaviour.

Like in the story, my father always drew my attention to my weak areas and asked me to constantly improve upon them. I would not have been able to achieve any success without the constant care and guidance of my parents.





## ***The Story***

*There was a boy named Henry who painted very well. At a very young age, he had shown significant promise in the art. His father was also a painter and, so, Henry would always show his painting to his father for his opinion. His father would always point out a limitation in the painting and ask Henry to paint it again. Even when Henry would redo the painting and take it to his father, he would be able to point out another flaw in the painting and ask him to redo it again. Such was the case with all the work that Henry showed to his father. This behaviour of his father upset him a bit and one day he asked one of his friends to lend him a painting. Henry took his friend's painting to his father and showed the painting to him. His father approved of this painting totally and said the painting was just fine. Henry was surprised and asked his father what was the special thing about this painting that was lacking in his previous paintings. His father replied kindly, "My son, this painting is not yours. And I know your talent, your strengths and your weaknesses. This painting is fine just as are your paintings. But in you I see a world-famous painter. And to become one, you have to weed out each of your weakness. Every wrong stroke, every weak colour scheme must go. The reason I never fully approve of your painting is because I do not want you to become negligent of your weaknesses. The first enemy we must fight and win over is within us. They are our own weaknesses, my son!"*







reaction. I mainly followed the mechanisms explained in the NCERT books.

### ***The Physical Strategy***

The approach towards learning Physical Chemistry is similar to the approach towards studying Physics. Both the subjects are similar in nature and require learning of concepts and problem-solving skills.

### ***Mastering Maths***

There are no major techniques that I applied in studying Mathematics. I followed a simple principle: 'Practice is key to success in Mathematics.' It is essential to remember the formulae, equations and various theorems and rules, and it is equally important to know where and when to apply them.

I found it useful to study the topics in the chapter on Conic Section - circles, parabolas, hyperbolas and ellipses - together. All these topics are similar in nature and involve similar formulae. A comparative study of these topics is very beneficial. I made it a point to remember the equations involved in these topics.

The chapter on Calculus involves a lot of standard methods that are applied in some typical problems. I kept my focus on learning when and where to apply a particular method.

### ***The Final Countdown***

By November 2008, I had completed my entire syllabus and was ready for the final phase of practice and revision. I practiced a lot every day. During the practice, I always kept a watch with me to monitor my speed and to find out how much time I took to solve the entire exercise. This further developed my ability to perform under pressure.











## Now, IIT-JEE stars eye glory in International Physics Olympiad

Hemali Chhappia | TNN

Mumbai: After two years of poring over texts to ace the IIT-JEE, toppers now have to face another challenge. They are on their way to HINI-hit Mexico where they will represent the country in the International Physics Olympiad in the first week of July.

The team that went in 2008 brought home four golds and a silver medal. This year's gang of boys would have a tough task cut out for them, professor Vijay Singh, national coordinator of the Science Olympiads, said.

The team members—Nitin Jain (all-India Rank 1 in JEE), Shubham Tulsiani (AIR 2), Gopi



Hemali Chhappia

**FAMOUS FIVE:** The team, which will leave for Mexico to participate in the Olympiad, interacts with mentor professor Vijay Singh

Sivakanth (AIR 3), Priyank Parikh (AIR 6) and Vinit Atal (AIR 90)—are in the city, preparing for the big challenge.

TOI, Mumbai edition, 1/7/09 Page 7

Every year, the Homi Bhabha Centre for Science Education conducts a massive exercise to select the brightest brains from across the country who then represent India in the International Olympiads. Eighty countries will participate in the physics Olympiad. Last year's winning team was China.

Mentor Professor Singh said the team was putting in close to 12 hours a day at the camp. "Our students are champions in Chemistry and Maths as well. If there was a comprehensive Olympiad, the Indian team would win hands down," said Singh.

hemali.chhappia@timesgroup.com





opportunity in all its forms, that helped me achieve all this. I credit my success to my belief that life is a learning process, to my parents who have been the best guides and have always been supportive, and to my teachers who never minded sharing anything at any time.

My IIT-JEE 2009 mark sheet :

| Subject     | Maximum marks | My Score |
|-------------|---------------|----------|
| Physics     | 160           | 149      |
| Chemistry   | 160           | 122      |
| Mathematics | 160           | 153      |

Although the AIEEE results were expected to be declared on June 7, 2009, I had a heady surprise in store for me. On the 30th of May, the editor of the national daily Amar Ujala called at our place to congratulate and break the news that the AIEEE results were announced and I had topped the exam. It was after five years that a student had topped both IIT and AIEEE - for me, marking out yet another moment, yet another milestone, and yet another day filled with mixed emotions.

*“Live as if you were to die tomorrow. Learn as if you were to live forever.”*

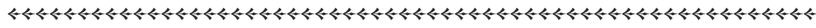
— Mahatma Gandhi

*“Men give me some credit for genius. All the genius I have lies in this: When I have a subject in hand, I study it profoundly. Day and night it is before me. I explore it in all its bearings. My mind becomes pervaded with it. Then the effort which I make is what the people call the fruit of genius. It is the fruit of labor and thought.”*

— Alexander Hamilton

**Detail of Top Ten Rank Holder in IIT-JEE 2009**

| <b>A.I.R.</b> | <b>Name of Student</b> | <b>Which IIT Joined</b> | <b>Stream</b>          | <b>Native place</b> |
|---------------|------------------------|-------------------------|------------------------|---------------------|
| 1             | Nitin Jain             | IIT, Delhi              | Computer Science       | Faridabad-HR        |
| 2             | Shubham Tulsiani       | IIT, Kanpur             | Computer Science       | Jodhpur-RJ          |
| 3             | Gopi Sivakanth         | IIT, Mumbai             | Computer Science       | Visakhapatnam-AP    |
| 4             | Parath Shah            | IIT, Mumbai             | Computer Science       | Mumbai-MH           |
| 5             | V.Prashant             | IIT, Chennai            | Computer Science       | Chennai-TN          |
| 6             | Priyank Parikh         | IIT, Mumbai             | Computer Science       | Mumbai-MH           |
| 7             | Nitish Jhawar          | IIT, Mumbai             | Computer Science       | Amritsar-PB         |
| 8             | Pranay Kumar           | IIT, Mumbai             | Electrical Engineering | Hyderabad-AP        |
| 9             | Avnit Singh Tawar      | IIT, Mumbai             | Computer Science       | Vadodara-GJ         |
| 10            | Kapil Dubey            | IIT, Mumbai             | Computer Science       | Sagar-MP            |



## Faridabad boy tops IIT JEE

*Neha Pushkarna, TNN, May 26, 2009, 02.38am IST*

FARIDABAD: IIT JEE topper Nitin Jain doesn't see what the fuss is about. The shy teenager says it's a goal he set two years ago and has steadily worked for. But consider the numbers: Jain secured the first rank in the IIT entrance exam for 2009, taken by 3.8 lakh students in the country and abroad. From Delhi zone alone, 60,852 students took the test, of which a mere 1,524 were successful. Nationwide, 10,035 students qualified.

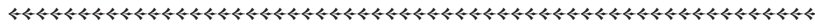
"It's no surprise. We had been expecting this," said the Jains as their son adjusted to the flash of cameras that followed him all through Monday after the results were declared. "Whenever I saw photos of toppers in the newspapers, I always thought my son would be there too. That day has finally come," said a beaming Kumkum Jain, Nitin's mother.

The topper remained calm, attributing the all India rank 1 to regular and planned studying. "Since I took up science after Class X, IIT was a natural choice. I wanted to get the first rank and I got it," said Nitin. His formula: devoting equal time to all subjects while studying only four to five hours a day.

Nitin's teachers at Modern Vidya Niketan burst crackers to celebrate the unprecedented honour. "We always knew Nitin would crack IIT JEE and could get the first rank too. He has an exceptional IQ. He has been a topper throughout," said Kanta Sharma, manager of MVN School. Faridabad too is emerging a toppers' address, with Nitin's success coming after Tannvi Aggarwal aced the nationwide CBSE exams this year.

Nitin's father, N C Jain, says the future was charted by the teenager long ago. "I wanted him to do CA but he said he wanted to be a computer engineer. I once asked if he thought he could get into IIT. He said there was no doubt." Nitin, known as a science wizard in school, has won a gold medal in the International Olympiad on Astronomy and Astrophysics in Indonesia and will soon head to Mexico for another science olympiad. "The education minister of Indonesia had also invited him to join the Bardung Institute of Technology for engineering," Nitin's father said. Nitin scored 95% aggregate in his Class XII board exams.

By Nitin's own blueprint, he will be the family's first engineer. His father is a businessman and works part-time in a factory. His mother is a housewife. "Physics is my favourite subject. But I will go for computer engineering now," he said



### *Motivational Story to Students*

## *Keeping Your Axe Sharp*

*“Success is a split second decision. It’s all the agonizing and doubt that takes so much time.”*

*Once upon a time a very strong woodcutter asked for a job with a timber merchant, and he got it. The salary was really good and so were the work conditions. For that reason, the woodcutter was determined to do his best. His boss gave him an axe and showed him the area where he was supposed to work. The first day, the woodcutter brought 18 tree “Congratulations,” the boss said. “Go on that way!” Very motivated by the boss’ words, the woodcutter tried harder the next day, but could bring 15 trees only. The third day he tried even harder, but could bring 10 trees only. Day after day he was bringing less and less trees. “I must be losing my strength”, the woodcutter thought. He went to the boss and apologized, saying that he could not understand what was going on.*

*“When was the last time you sharpened your axe?” the boss asked. “Sharpen? I had no time to sharpen my axe. I have been very busy trying to cut trees...”*