



- 1) Answer the following in one word:- [2½]
- Name one invisible control.
  - Name the property that restricts the user from typing in jTextField at run time.
  - Name the method / function used to retrieve data from a valid NetBeans control.
  - Name the datatype that can store the values true or false
  - Name the property that makes the background color of jLabel visible.
- 2) Write coding for the following :-
- Write code that takes the Percentage of marks from jTextField2 , increases the percentage of marks by 49.8 and store the increased percentage of marks in jTextField3. [2]
  - An employee code is stored in a string variable ECode. Now Mr. Anant wants to store this code in integer type variable ICode. Write statement to do this (**only one statement**). [1]
- 3) Write output of the following code:-
- What will be displayed in jTextArea1 after executing the following statement? [1]  
`jTextArea1.append("Xavier \t Fair \n 2016");`  
(assuming "**St. Xavier's School**" is already typed in jTextArea1)
  - What will be displayed in jTextField5 after executing the following code:- [1]  
`int I = 26;`  
`I = I + 1 ;`  
`jTextField1.setText( I<26 ? "value is" + I : "value is "+(I+10) ) ;`
  - What will be printed in output window after executing the following code:- [2]  
`float F = 79.57 ;`  
`String X = "Xavier Fair";`  
`char A = '\n' ;`  
`int I = 50 ;`  
`System.out.println( X + A + "**** \t 11-F \n ###");`  
`System.out.print(I+F);`
4. Write any two differences between the following :- [4]
- switch – case and multiple if – else
  - Conditional Operator and if-else statement
5. Convert the following conditional operator to if-else :- [2]
- ```
String s= jTextField1.getText();
int age = Integer.parseInt(s);
jLabel1.setText(age%4==0 ? "Leap Year" : "not a leap year" );
```
6. Write output of the following commands :- [2]
- ```
int I=10 , J=20;
String S1="WELCOME";
a) System.out.print(""+I+J);
b) System.out.print(S1.charAt(0));
c) System.out.print(S1.charAt(5));
```
7. Write the output of the given program segments
- I. `int year = Integer.parseInt(jTextField1.getText());` [1½]  
`if (year % 100 ==0) && (year % 400 == 0))`  
`cout <<"leap";`  
`else`  
`cout <<"Not Century year";`  
if the input given is (1) 2000 (2) 1900 (3) 1971
- II. `String s1 = jTextField1.getText();` [4]  
`char ch = s1.charAt(0);`  
`switch(ch)`  
`{`

```

case 'a' : cout << "It is a.\n";
case 'b' : cout <<"It is b.\n";
case 'c' : cout << "It is c.\n";
           break;
case 'd' : cout <<"It is d.\n";
           break;
default : cout << "Not a b c d.";
}
if the input is (1)a (2)c (3)d (4)h (5)b
    
```

8. Correct the errors in the given program segments and rewrite the corrected program; [1]

```

I.  if (x = 1)
      k =100;
      else;
      k=10;
    
```

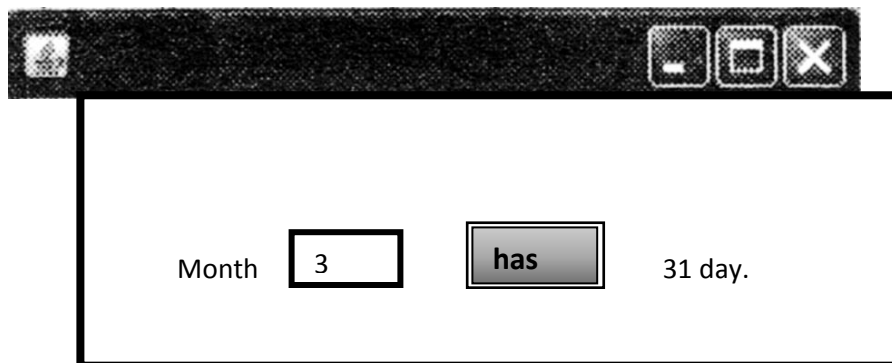
9. Rewrite the following program code using a switch statement: [2]

```

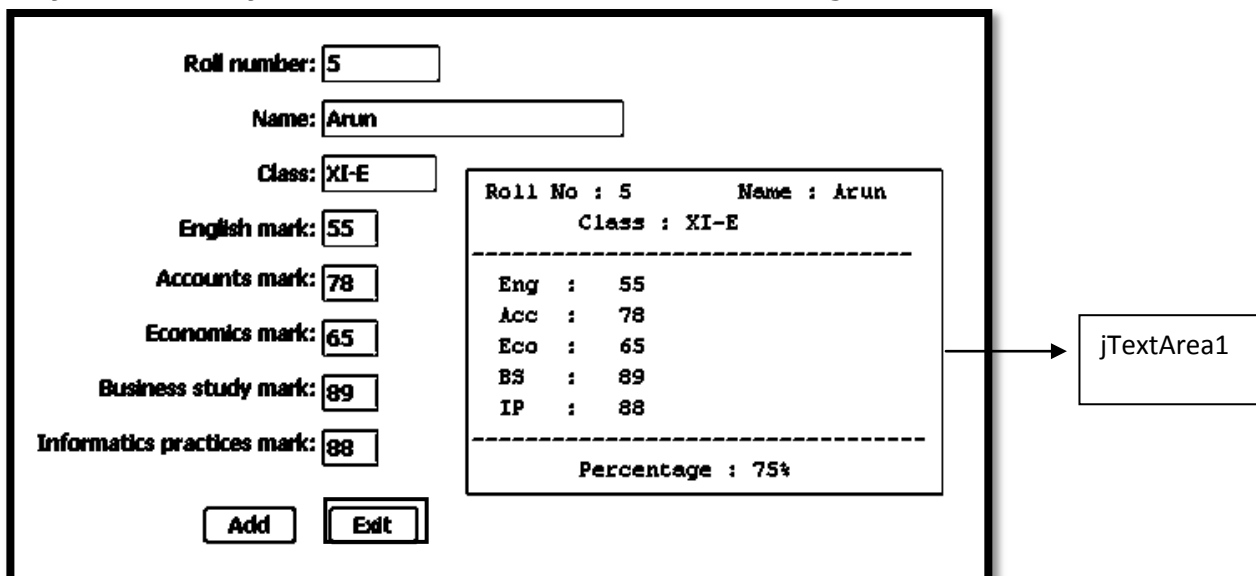
If (code == 1)
Month = "January";
else if (code ==2)
Month = "February";
else if (code ==3)
Month = "March";
else if (code == 4)
Month = "April";
else
Month = "No Match";
    
```

10. Write coding for jButton1 to print no of days present in the month entered in jTextField1.[3]  
 e.g. 2 - 28 or 29 days

**Using switch case statements**

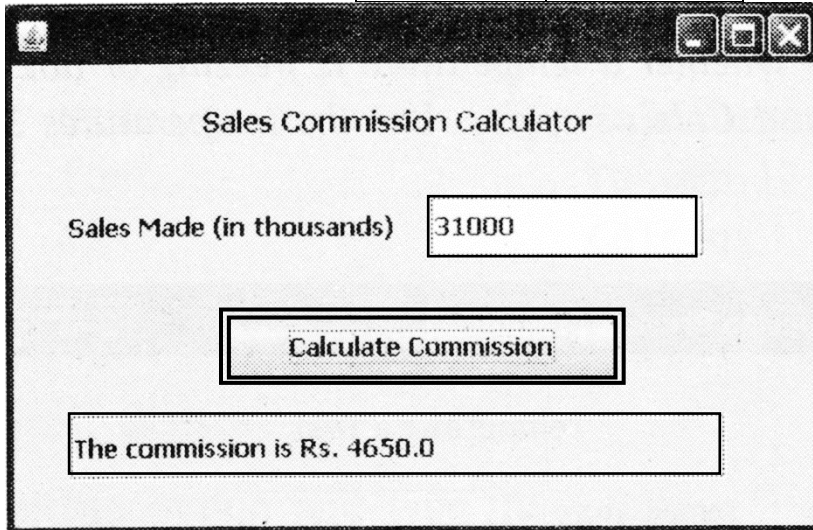


11. Calculate Percentage from the marks entered in jTextFieldes and print a report of all the jTextFieldes in JTextArea1 as shown below . Write coding for Exit button also. [3]

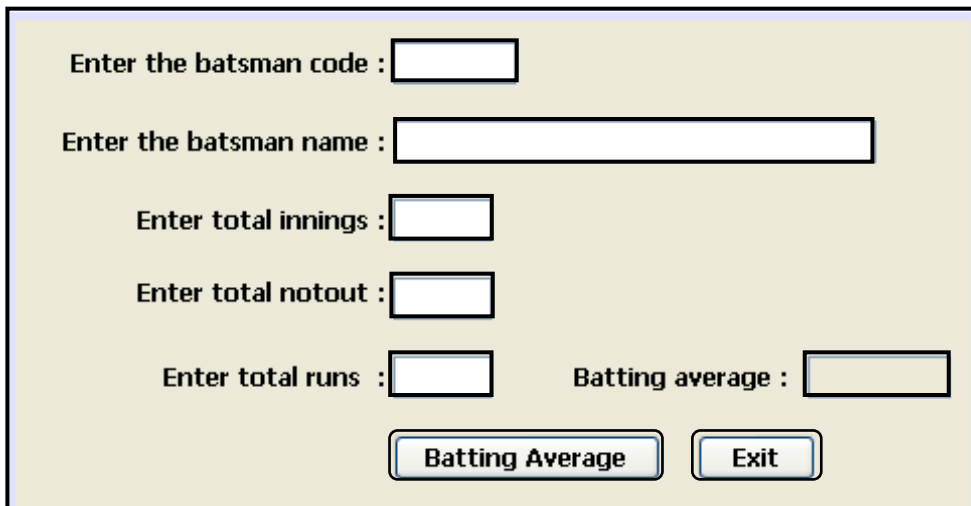


12. Write coding for jButton1. Check the sales made entered in jTextField1 and display the commission in jLabel3 based on following conditions. **(Using multiple if else)** [4]

Sales made	Commission
>50000	50%
>30000	20%
<30000	10%



13. Write coding for jButton1 to calculate batting average (batavg) from values entered in jTextField. **Write coding for Exit button also.** [4]  
 $batavg = \text{Runs} / (\text{innings} - \text{notout})$



-X-X-X-X-X-X-X-