01. Rewrite the following if-else segment using switch-case statement.

```
int code=Integer.parseInt(tf1.getText());
String month;
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";
```

02. What will be the output of the following code segment

```
String fname="Johua";
String lnarne="Yacomo";
String fullname=fnarne+lnarne;
tf1.setText("fullname");
tf2.setText(fullname);
```

03. What is the difference between = and ==?

04. Differentiate between if and switch

05. Name one invisible control which can be placed on the form?

06. Mr. Sahil, a programmer in a VISA processing company, has written the following code:

```
int ch=Integer.parseInt(tf1.getText());
switch(ch)
{
  case 1: tf2.setText("Short Term Single Entry Visa Granted");
  case 2: tf2.setText("Short Term Multiple Entry visa Granted");
  case 3: tf2.setText("Long Term Single Entry Visa Granted");
  case 4: tf2.setText("Long Term Multiple Entry Visa Granted");
  default: tf2.setText("Invalid Entry");
}
```

No matter what value is being entered in the text field jTextFieldl, this program always give a message "Invalid Entry". Help Mr. Sahil in identifying the problem and its reason. Also suggest him a suitable correction in the code.

07. vinitha is using switch statement in her program, she wants that if the value is not matching with any case then a set of command should be executed. Tell her how she will achieve it.

08. write the name of the method which is used to convert string value in to float value in Java.

09. write the name of the method which is used to display message dialog by using the JOptionPane control.

10. Following code has some error(s). Rewrite the correct code underlining all the corrections made:

int a = Integer. paresInt(tf1.settext()) ;

intb = 20;

Int c;

c=axb;

tf1.getText(toStr(c)) ;

11. The following GUI form is created in NetBeans for a shop

(i) Write the code for Discount Amount button which calculate and display gross amount and discount amount by using following table:

Type of sales	Discount %
Cash	10
Cheque	5
Credit	0

(ii) Write the code for Net Amount button which calculate and display Net Amount
Net amount = gross amount - discount amount

(iii) write the code for Exit button to close the application.

12. List some keywords used in java ?

13. What is the purpose of break statement in a switch ……. case

14. Write the output of the following code :

```
int a=10,b=5;
if(a>b)
{
    if(b>5)
      System.out.println("b is"+b);
}
else
{
    System.out.println("a is'+a);
}
```

15. Write the equivalent switch case for the following code:
```
if (num ==1 )  tf1.setText("Number is one");
else lf (num ==2 ) tf1.setText("Number is two");
else lf (num ==3) tf1.setText("Number is three");
else if1.setText("Number is more than three");
```

16. Differentiate between getText() and setText() methods?

17. Define Label? How is it different from a textfield?

18. What output will the following code fragment produce?
```
int n, a=500;
if (a+n*10>50)
{
    System. out.println ("100");
}
else
{
    System.out.println("200");
}
```

19. Write a code to translate a number to its equivalent day. (1: Sunday,2: Tuesday and so on till 7: Saturday])

20. Briefly explain various types of operators in java

21. What will be displayed in jTextArea1 after executing the following statements ?
```
jTextArea1.setText( "APS \t RKPuram \n HalfYearly \t 2011 " ) ;
```

22. What will be the value of a and b after execution of following code :
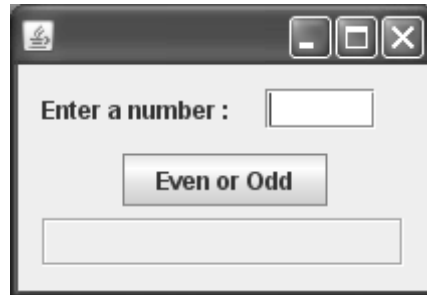
int a = 1 , b = 2 ;

if (++b < 5)

 a * = b ;

23. What will be displayed in jTextField1 after executing the following code ?

int m = 16 ;

m = m + 1 ;

if (m < 15)

  jTextField1. setText (Integer . toString (m)) ;

else

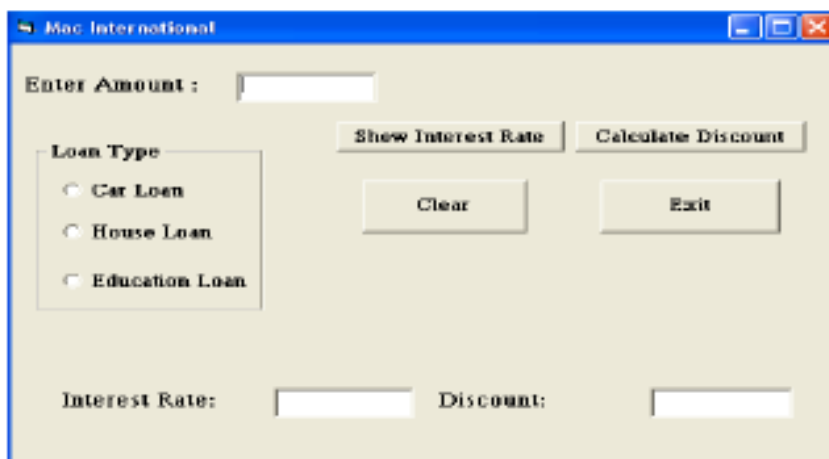 jTextField1. setText (Integer . toString (m + 15)) ;

24. While working in Netbeans, Ms. Lakshmi wants to create controls on a form for the following functions. Choose appropriate swing controls for the following :

(i) Enter last name   (ii) Select Gender (iii) Choose City from list of cities   (iv) Submit form

25. Using the following GUI, Write the code for the Button check wither the given number is "Even" or "Odd" and display the same in the Label provided. Using if-else.

26 a) HSBC is a bank. The Bank provides three types of loans- Car loan, House Loan, Education Loan.

Read the following case study and answer the questions that follow:

 Make a java swing frame as shown above and accept values through jTextFields. Perform according to following questions:

a.   Write the commands to show the interest rate according to the following criteria.:   2
     Car loan – 10%

     House Loan – 8.5%

     Education Loan – 5%.

b. Calculate the discount on the amount according to following criteria.   4
     • If amount > 10,000,00 and < 20,000,00 then 20% discount.
     • If amount > 20,000,00 then 25 % discount.

27

Happy Fun and Food Park

No. of People

Entry fees

Water Park

Water Park Charges

Total Amount

Calculate   Clear   Exit

Help him to write code for the following:
(i) On the click of 'Calculate' button, textfield for 'Entry Fees' should display Entry Fees per person x number of people.
If 'Water Park' check box is selected, textfield for 'Water Park charges' should display Water Park Charges per Person x Number of People. textField for 'total Amount' should display sum of Entry Fees and Water Park charges for all the people in the group.
(ii) Write java code to clear all Textboxes on the click of 'Clear' Button.
(iii)   Write java Code to close the application on the click of 'Exit' Button.