```
1
2   import java.util.Scanner;
3   import java.util.InputMismatchException;
4   class Calculator
5   {
6
7       public void add(float a,float b, float c
8       {
9           System.out.println(a+"+"+b+"+"+c+"="
10      }
11      public void add(float a,float b)
12      {
13          System.out.println(a+"+"+b+"="+(a+b)
14      }
15
16
17      public void subtract(float a,float b, fl
18      {
19          System.out.println(a+"-"+b+"-"+c+"="
20      }
21      public void subtract(float a,float b)
22      {
23          System.out.println(a+"-"+b+"="+(a-b)
24      }
25
26
27      public void product(float a,float b)
28      {
29          System.out.println(a+"*"+b+"="+(a*b)
30      }
31
32
33      public void division(float a,float b)
34      {
35          System.out.println(a+"/"+b+"="+(a/b)
36      }
37  }
38  public class Main
39  {
40      public static void main (String[] args)
41          Calculator cal=new Calculator();
42          Scanner sc=new Scanner(System.in);
43          System.out.println("Host name: E Hema
```

```
73                  System.out.print("Enter operand 2
74                  float sub2=sc.nextFloat();
75                  System.out.print("Enter operand 3
76                  float sub3=sc.nextFloat();
77                  if(sub3==0)
78                  {
79                      cal.subtract(sub1, sub2);
80                  }
81                  else
82                  {
83                      cal.subtract(sub1, sub2, sub3
84                  }
85                  break;
86              case 3:
87                  System.out.print("Enter operand 1
88                  float mul1=sc.nextFloat();
89                  System.out.print("Enter operand 2
90                  float mul2=sc.nextFloat();
91                  cal.product(mul1,mul2);
92                  break;
93              case 4:
94                  System.out.print("Enter operand 1
95                  float div1=sc.nextFloat();
96                  System.out.print("Enter operand 2
97                  float div2=sc.nextFloat();
98                  if(div2==0)
99                  {
100                     throw new ArithmeticExceptior
101                 }
102                 cal.division(div1,div2);
103                 break;
104             default:
105                 System.out.println("Invalid choic
106         }
107 }
108 catch(InputMismatchException ime)
109 {
110     System.out.println("You have entered inpu
111 }
112 catch(ArithmeticException ae)
113 {
114     System.out.println(ae.getMessage());
115 }
```

```
lass Main

ic static void main (String[] args) {
Calculator cal=new Calculator();
Scanner sc=new Scanner(System.in);
System.out.println("Host_name: E.Haneesha \nS
try
{
    System.out.println("1. ADD\n2. SUBTRACt\r
    int op=sc.nextInt();
    switch(op)
    {
        case 0:
            System.out.println("Exit...");
            System.exit(0);
            break;
        case 1:
            System.out.print("Enter operand 1
            float add1=sc.nextFloat();
            System.out.print("Enter operand 2
            float add2=sc.nextFloat();
            System.out.print("Enter operand 3
            float add3=sc.nextFloat();
            if(add3==0)
            {
                cal.add(add1, add2);
            }
            else
            {
                cal.add(add1, add2, add3);
            }
            break;
        case 2:
            System.out.print("Enter operand 1:
            float sub1=sc.nextFloat();
            System.out.print("Enter operand 2
            float sub2=sc.nextFloat();
            System.out.print("Enter operand 3
            float sub3=sc.nextFloat();
            if(sub3==0)
            {
                cal.subtract(sub1, sub2);
```

```
Host_name: E.Haneesha
SAP_ID:51834630
1. ADD
2. SUBTRACt
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
1
Enter operand 1: 6
Enter operand 2: 8
Enter operand 3(if you want. else enter 0):
6.0+8.0=14.0

Process finished.
```

```java
public class Main
{
  public static boolean isPalindrome(String st
  {
    if (low >= high) {
      return true;
    }

    if (string.charAt(low) != string.charAt(hi
      return false;
    }

    return isPalindrome(string, low + 1, high
  }

  public static void main(String[] args)
  {
    String string = "madam";

    if (isPalindrome(string, 0, string.length(
      System.out.println("Host_name:E.Haneesha
      System.out.print("given String is Palind
    } else {
      System.out.print("given String is Not Pa
    }
  }
}
```

```
Host_name:E.Haneesha
SAP_ID:51834630
given String is Palindrome
Process finished.
```

```java
import java.util.*;
public class Main
{
  public static void main (String[] args)
  {
    System.out.println("Host_name :E .Haneesha
    int count=0;
    int rem=0 ;
    Scanner sc=new Scanner(System.in);
    System.out.println("enter a number :");
    int n= sc.nextInt();
    while(n>0)
    {
      rem=n%10;
      if(rem%2!=0)
      {
        count++;
      }
      n=n/10;

    }
    System.out.println("no of odd digits in nu

  }
}
```

```
Host_name :E .Haneesha
 SAP_ID:51834630
enter a number :
5
no of odd digits in number are ; 1

Process finished.
```