```java
import java.util.Scanner;
import java.util.InputMismatchException;
class Calculator
{

    public void add(float a,float b)
    {
        System.out.println(a+"+"+b+"="+(a+b));
    }



    public void subtract(float a,float b)
    {
        System.out.println(a+"-"+b+"="+(a-b));
    }


    public void product(float a,float b)
    {
        System.out.println(a+"*"+b+"="+(a*b));
    }


    public void division(float a,float b)
    {
        System.out.println(a+"/"+b+"="+(a/b));
    }
}
class Main
{
    public static void main (String[] args) {
        Calculator cal=new Calculator();
        Scanner sc=new Scanner(System.in);
        try
        {
            System.out.println("1. ADD\n2. SUBTR
            int op=sc.nextInt();
            switch(op)
            {
                case 0:
                    System.out.println("Exit..."
                    System.exit(0);
                    break;
```

```
45   case 1:
46       System.out.print("Enter operand 1: ");
47       float add1=sc.nextFloat();
48       System.out.print("Enter operand 2: ");
49       float add2=sc.nextFloat();
50
51       {
52           cal.add(add1, add2);
53       }
54
55       break;
56   case 2:
57      System.out.print("Enter operand 1: ");
58       float sub1=sc.nextFloat();
59       System.out.print("Enter operand 2: ");
60       float sub2=sc.nextFloat();
61
62       {
63           cal.subtract(sub1, sub2);
64       }
65
66       break;
67   case 3:
68       System.out.print("Enter operand 1: ");
69       float mul1=sc.nextFloat();
70       System.out.print("Enter operand 2: ");
71       float mul2=sc.nextFloat();
72       cal.product(mul1,mul2);
73       break;
74   case 4:
75       System.out.print("Enter operand 1: ");
76       float div1=sc.nextFloat();
77       System.out.print("Enter operand 2: ");
78       float div2=sc.nextFloat();
79       if(div2==0)
80       {
81           throw new ArithmeticException("Number c
82       }
83       cal.division(div1,div2);
84       break;
85  default:
86       System.out.println("Invalid choice: ");
87
88
```

```
87                  }
88              }
89              catch(InputMismatchException ime)
90              {
91                  System.out.println("You have entered
92              }
93              catch(ArithmeticException ae)
94              {
95                  System.out.println(ae.getMessage());
96              }
97              System.out.println("M.Raja Java2 Id:5183
98      }
99  }
```

```
1. ADD
2. SUBTRACt
3. MULTIPLICATION
4. DIVISION
1
Enter operand 1: 2
Enter operand 2: 2
2.0+2.0=4.0
M.Raja Java2 Id:51834798

Process finished.
```

```java
import java.util.Scanner;
class Main
{
    public static boolean isPalindrome(String s)
    {
        if(s.length() == 0 || s.length() == 1)
        {
            return true;
        }
        if(s.charAt(0) == s.charAt(s.length()-1))
        {
            return isPalindrome(s.substring(1, s
        }
        else
        return false;
    }
    public static void main (String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print("\nEnter a String: ");
        String s=sc.nextLine();
        if(isPalindrome(s.toLowerCase().replaceA
        {
            System.out.println(s+" is a Palindro
        }
        else
        {
            System.out.println(s+" is not a Pali
        }
        System.out.println("M.Raja Java2 Id: 518
    }
}
```

Terminal

```
Enter a String: 232
232 is a Palindrome.
M.Raja Java2 Id: 51834798

Process finished.
```

```java
import java.util.Scanner;
class Main
{
    public static void main (String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter a number: ");
        int n=sc.nextInt();
        countOdd(n);
    }
    public static void countOdd(int num)
    {
        int digit, countOdd=0;
        int temp=num;
        while(num>0)
        {
            digit=num%10;
            num=num/10;
            if(digit==0)
            {
                continue;
            }
            if(digit%2!=0)
            {
                countOdd++;
            }
        }
        System.out.println("Number of even digi
       System.out.println(" M.Raja java2 Id:518
    }
}
```

```
Terminal
Enter a number: 123456
Number of even digit in 123456 is 3
 M.Raja java2 Id:51834798

Process finished.
```