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

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


    public void subtract(float a,float b, float c)
    {
        System.out.println(a+"-"+b+"-"+c+"="+(a-b-c));
    }
    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));
    }
}
public class Main
{
    public static void main (String[] args) {
        Calculator cal=new Calculator();
        Scanner sc=new Scanner(System.in);
        try
        {
            System.out.println("1. ADDITION\n2. SUBTRACTION
            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 if you want. else en
                    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 if you want. else en
                    float sub3=sc.nextFloat();
                    if(sub3==0)
                    {
                        cal.subtract(sub1, sub2);
                    }
                    else
                    {
                        cal.subtract(sub1, sub2, sub3);
                    }
                    break;
                case 3:
                    System.out.print("Enter operand 1: ");
                    float mul1=sc.nextFloat();
                    System.out.print("Enter operand 2: ");
                    float mul2=sc.nextFloat();
                    cal.product(mul1,mul2);
                    break;
                case 4:
                    System.out.print("Enter operand 1: ");
                    float div1=sc.nextFloat();
                    System.out.print("Enter operand 2: ");
                    float div2=sc.nextFloat();
                    if(div2==0)
                    {
                        throw new ArithmeticException("Number cannot be
                    }
                    cal.division(div1,div2);
                    break;
                default:
                    System.out.println("Invalid choice: ");
            }
        }
        catch(InputMismatchException ime)
        {
            System.out.println("You have entered input of wrong dataty
        }
        catch(ArithmeticException ae)
        {
            System.out.println(ae.getMessage());
        }
        System.out.println("Vamsi.k 51834764 Java-2");
    }
}
```

1.

```
1. ADDITION
2. SUBTRACTION
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
1
Enter operand 1: 1728
Enter operand 2: 8283
Enter operand 3(if you want. else enter 0): 0
1728.0+8283.0=10011.0

Vamsi.k 51834764 Java-2


Process finished.
```

```
// title :
// Description :
// tags :

1   public class Sort {
2     public static void main(String []args) {
3       String str[] = { "h", "g", "f", "e", "d"};
4       String temp;
5       System.out.println("Sorted string...");
6       for (int j = 0; j < str.length; j++) {
7         for (int i = j + 1; i < str.length; i++) {
8           // comparing strings
9           if (str[i].compareTo(str[j]) < 0) {
10            temp = str[j];
11            str[j] = str[i];
12            str[i] = temp;
13          }
14        }
15        System.out.println(str[j]);
16      }
17      System.out.println("Vamsi.k 51834764 java-2");
18    }
19 }
```

5.

Sorted string...
d
e
f
g
h
Vamsi.k 51834764 java-2

Process finished.

5.A.