```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));
```

```java
15  {
16      System.out.println(a+"-"+b+"-"+c+"="+(a-b-c));
17  }
18  public void subtract(float a,float b)
19  {
20      System.out.println(a+"-"+b+"="+(a-b));
21  }
22
23
24  public void product(float a,float b)
25  {
26      System.out.println(a+"*"+b+"="+(a*b));
27  }
28
29
30  public void division(float a,float b)
3       /"+b+"="+(a/b));
```

```
31    {
32        System.out.println(a+"/"+b+"="+(a/b));
33    }
34  }
35  public class Main
36  {
37      public static void main (String[] args) {
38          Calculator cal=new Calculator();
39          Scanner sc=new Scanner(System.in);
40          System.out.println("Author: K.Lokesh \nSAP ID:51834521");
41          try
42          {
43              System.out.println("1. ADD\n2. SUBTRACt\n3. MULTIPLICATION\n4. DIVISION\n5. EXIT\nEnte
44              int op=sc.nextInt();
45              switch(op)
46              {
                 .println("Exit...");
```

```java
        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 enter 0): ");
                float add3=sc.nextFloat();
                if(add3==0)
                {
                    cal.add(add1, add2);
                }
```

```java
                    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 enter 0): ");
            float sub3=sc.nextFloat();
            if(sub3==0)
            {
                cal.subtract(sub1, sub2);
```

```java
                    {
                        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: ");
                    =sc.nextFloat();
                    .print("Enter operand 2: ");
```

```java
                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 divided by zero!!");
                }
                cal.division(div1,div2);
                break;
            default:
                System.out.println("Invalid choice: ");
        }
    }
    catch(InputMismatchException ime)
    {
        ("You have entered input of wrong datatype!!");
        ion ae)
```

```java
                        break;
                default:
                        System.out.println("Invalid choice: ");
                }
        }
        catch(InputMismatchException ime)
        {
            System.out.println("You have entered input of wrong datatype!!");
        }
        catch(ArithmeticException ae)
        {
            System.out.println(ae.getMessage());
        }
    }
}
```

```
Terminal

Author: K.Lokesh
SAP ID:51834512
1. ADD
2. SUBTRACt
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
2
Enter operand 1: 10
Enter operand 2: 20
Enter operand 3(if you want. else enter 0)
10.0-20.0=-10.0

Process finished.
```

```java
public class Demo {
    public static void main(String []args) {
        String str[] = { "L", "O", "K", "E", "S","H"};
        String temp;
        System.out.println("Sorted string...");
        for (int j = 0; j < str.length; j++) {
            for (int i = j + 1; i < str.length; i++) {
                // comparing strings
                if (str[i].compareTo(str[j]) < 0) {
                    temp = str[j];
                    str[j] = str[i];
                    str[i] = temp;
                }
            }
            System.out.println(str[j]);
        }
    }
```

File info ⓘ

```
Terminal                                                    ×                                              ⧉

Sorted string...
E
H
K
L
O
S

Process finished.
```