



Java\_assignment1.java



Saved



```
1 import java.util.Scanner;
2 import java.util.InputMismatchException;
3 class Calculator
4 {
5
6     public void add(float a, float b, float c)
7     {
8         System.out.println(a + "+" + b + "+" + c + "=" + (a+b+c));
9     }
10    public void add(float a, float b)
11    {
12        System.out.println(a + "+" + b + "=" + (a+b));
13    }
14
15
16    public void subtract(float a, float b, float c)
```

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```
31
32     public void division(float a, float b)
33     {
34         System.out.println(a+"/+b+"=+(a/b));
35     }
36 }
37 public class Main
38 {
39     public static void main (String[] args) {
40         Calculator cal=new Calculator();
41         Scanner sc=new Scanner(System.in);
42         System.out.println("Author: K. Sudarshan Reddy |nSAP ID:51834730");
43         try
44         {
45             System.out.println("1. ADD|n2. SUBTRACT|n3. MULTIPLICATION|n4. DIVISION|n5. EXIT|nEnter your choice: ");
46             int op=sc.nextInt();
```

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```
46     int op=sc.nextInt();
47     switch(op)
48     {
49         case 0:
50             System.out.println("Exit...");
51             System.exit(0);
52             break;
53         case 1:
54             System.out.print("Enter operand 1: ");
55             float add1=sc.nextFloat();
56             System.out.print("Enter operand 2: ");
57             float add2=sc.nextFloat();
58             System.out.print("Enter operand 3(if you want. else enter 0): ");
59             float add3=sc.nextFloat();
60             if(add3==0)
61     }
```

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```
60     if(add3==0)
61     {
62         cal.add(add1, add2);
63     }
64     else
65     {
66         cal.add(add1, add2, add3);
67     }
68     break;
69 case 2:
70     System.out.print("Enter operand 1: ");
71     float sub1=sc.nextFloat();
72     System.out.print("Enter operand 2: ");
73     float sub2=sc.nextFloat();
74     System.out.print("Enter operand 3(if you want. else enter 0): ");
75     float sub3=sc.nextFloat();
```

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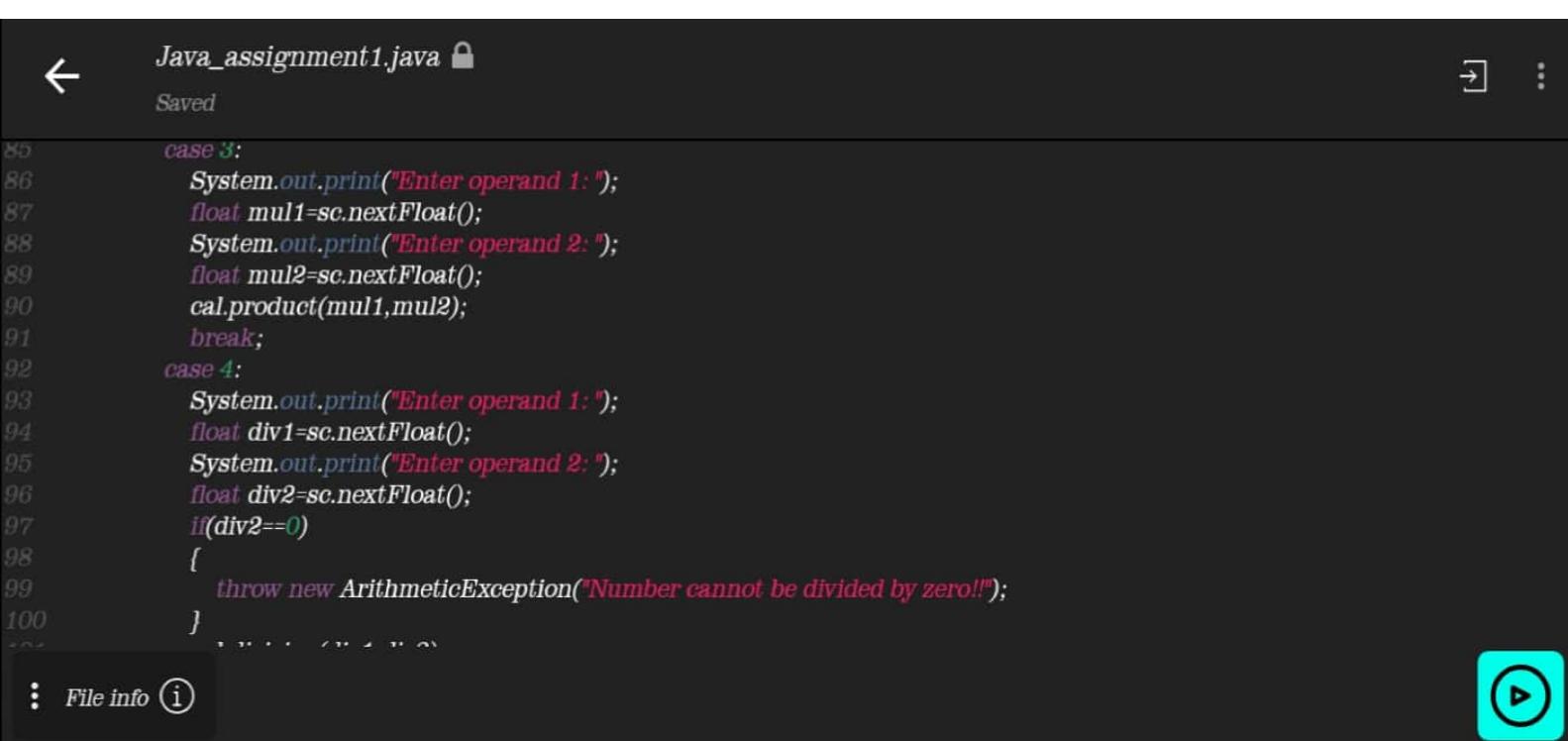
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```
75     float sub3=sc.nextFloat();
76     if(sub3==0)
77     {
78         cal.subtract(sub1, sub2);
79     }
80     else
81     {
82         cal.subtract(sub1, sub2, sub3);
83     }
84     break;
85 case 3:
86     System.out.print("Enter operand 1:");
87     float mul1=sc.nextFloat();
88     System.out.print("Enter operand 2:");
89     float mul2=sc.nextFloat();
90     cal.product(mul1,mul2);
```

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```
100      j
101      cal.division(div1,div2);
102      break;
103  default:
104      System.out.println("Invalid choice: ");
105  }
106 }
107 catch(InputMismatchException ime)
108 {
109     System.out.println("You have entered input of wrong datatype!");
110 }
111 catch(ArithmeticException ae)
112 {
113     System.out.println(ae.getMessage());
114 }
115 }
```

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```
102         break;
103     default:
104         System.out.println("Invalid choice:");
105     }
106 }
107 catch(InputMismatchException ime)
108 {
109     System.out.println("You have entered input of wrong datatype!");
110 }
111 catch(ArithmeticException ae)
112 {
113     System.out.println(ae.getMessage());
114 }
115 }
116 }
```

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```
1 public class Student {
2     public static void main(String []args) {
3         String str[] = { "S", "K", "R", "V", "N"};
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     }
18 }
```



Sorted string...

k

n

r

s

v

Process finished.