



lucky1.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)
17    {
18        System.out.println(a+"-"+b+"-"+c+"="+(a-b-c));
19    }
20    public void subtract(float a, float b)
21    {
22        System.out.println(a+"-"+b+"="+(a-b));
23    }
24
25
26    public void product(float a, float b)
27    {
28        System.out.println(a+"*"+b+"="+(a*b));
29    }
30
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         //("Challa.Koteswara Rao \nSAP 77 2023")
43     }
```





```
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("Challa.Koteswara Rao \nSAP ID:5183");
43         try
44         {
45             System.out.println("1. ADD\n2. SUBTRACT\n3. MULTIPLY");
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): ");
59                     float add3=sc.nextFloat();
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): ");
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                     System.out.print("Enter operand 3(if you want): ");
91                     float mul3=sc.nextFloat();
92                     if(mul3==0)
93                     {
94                         cal.multiply(mul1, mul2);
95                     }
96                     else
97                     {
98                         cal.multiply(mul1, mul2, mul3);
99                     }
100                    break;
101            }
102        }
103    }
104 }
```





```
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 w");
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);
91     break;
92 case 4:
93     System.out.print("Enter operand 1: ");
94     float div1=sc.nextFloat();
95     System.out.print("Enter operand 2: ");
96     float div2=sc.nextFloat();
97     if(div2==0)
98     {
99         throw new ArithmeticException("Number
100     }
101     cal.division(div1,div2);
102     break;
```





```
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);
91         break;
92     case 4:
93         System.out.print("Enter operand 1: ");
94         float div1=sc.nextFloat();
95         System.out.print("Enter operand 2: ");
96         float div2=sc.nextFloat();
97         if(div2==0)
98         {
99             throw new ArithmeticException("Number
100         }
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
110 }
111 catch(ArithmeticException ae)
112 {
113     System.out.println(ae.getMessage());
114 }
115 }
116 }
```





Challa.Koteswara Rao

SAP ID:51834554

1. ADD
2. SUBTRACT
3. MULTIPLY
4. DIVIDE
5. EXIT

Enter your choice:

4

Enter operand 1: 69

Enter operand 2: 3

69.0/3.0=23.0

Process finished.





```
1 import java.util.Scanner;
2 class Main
3 {
4     public static boolean isPalindrome(String s)
5     {
6         if(s.length() == 0 || s.length() == 1)
7         {
8             return true;
9         }
10        if(s.charAt(0) == s.charAt(s.length()-1))
11        {
12            return isPalindrome(s.substring(1, s.length()-1));
13        }
14        else
15            return false;
16    }
17    public static void main (String[] args) {
18        Scanner sc=new Scanner(System.in);
19        System.out.println("From : Ch. Koteswara Rao ");
20        System.out.println("SAP ID: 51834606");
21        System.out.print("\nEnter a String: ");
22        String s=sc.nextLine();
23        if(isPalindrome(s.toLowerCase().replaceAll("\\s", "")))
24        {
25            System.out.println(s+" is a Palindrome.");
26        }
27        else
28        {
29            System.out.println(s+" is not a Palindrome.");
30        }
31    }
32 }
```





Terminal



From : Ch. Koteswara Rao
SAP ID: 51834606

Enter a String: 4444
4444 is a Palindrome.

Process finished.





Terminal



From : Ch. Koteswara Rao
SAP ID: 51834606

Enter a String: 1234
1234 is not a Palindrome.

Process finished.




```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main (String[] args) {
5         Scanner sc=new Scanner(System.in);
6         System.out.println("From: Ch. Koteswara Rao SAP ID: 518");
7         System.out.print("Enter a number: ");
8         int n=sc.nextInt();
9         countOdd(n);
10    }
11    public static void countOdd(int num)
12    {
13        int digit, countOdd=0;
14        int temp=num;
15        while(num>0)
16        {
17            digit=num%10;
18            num=num/10;
19            if(digit==0)
20            {
21                continue;
22            }
23            if(digit%2!=0)
24            {
25                countOdd++;
26            }
27        }
28        System.out.println("Number of even digit in "+temp+" is ");
29    }
30 }
```

From: Ch. Koteswara Rao SAP ID: 51834554..!

Enter a number: 345678

Number of even digit in 345678 is 3

Process finished.



lucky5.java



Saved

```
1 public class JavaExample {
2     public static void main(String []args) {
3         String str[] = { "A", "S", "R", "B", "M"};
4         String temp;
5         System.out.println(" Challa. Koteswara Rao ");
6         System.out.println(" SAP ID: 51834554 ");
7         System.out.println("Strings in sorted order:");
8         for (int j = 0; j < str.length; j++) {
9             for (int i = j + 1; i < str.length; i++) {
10                // comparing adjacent strings
11                if (str[i].compareTo(str[j]) < 0) {
12                    temp = str[j];
13                    str[j] = str[i];
14                    str[i] = temp;
15                }
16            }
17            System.out.println(str[j]);
18        }
19    }
20 }
```



Terminal



Challa. Koteswara Rao

SAP ID: 51834554

Strings in sorted order:

A
B
M
R
S

Process finished.