



fifth..java



Saved



```
1 import java.util.*;
2
3 import java.util.Arrays;
4
5 class Main
6 {
7     public static void swap(int[] arr, int a, int b)
8     {
9         int temp = arr[a];
10        arr[a] = arr[b];
11        arr[b] = temp;
12    }
13
14    public static void bubbleSort(int[] arr, int m)
15    {
16        for (int a = 0; a < m - 1; a++) {
17            if (arr[a] > arr[a + 1]) {
18                swap(arr, a, a + 1);
19            }
20        }
21        if (m - 1 > 1) {
22            bubbleSort(arr, m - 1);
23        }
24    }
25
26    public static void main(String[] args)
27    {
28        int[] arr = { 5, 1, 7, 9, 8, 0, 2 };
29
30        bubbleSort(arr, arr.length);
31
32        System.out.println("Author:harsha\n SAP ID:");
33        System.out.println(Arrays.toString(arr));
34    }
35 }
```

× Terminal



```
Author:harsha
SAP ID:51834755
[0, 1, 2, 5, 7, 8, 9]

Process finished.
```



first.java

Saved



```

1  import java.util.*;
2  import java.util.Scanner;
3  import java.util.InputMismatchException;
4  class Calculator
5  {
6
7      public void add(float a, float b, float c)
8      {
9          System.out.println(a+"+"+b+"+"+c+"="+(a+b+
10     }
11     public void add(float a, float b)
12     {
13         System.out.println(a+"+"+b+"="+(a+b));
14     }
15
16
17     public void subtract(float a, float b, float c)
18     {
19         System.out.println(a+"-"+b+"-"+c+"="+(a-b-
20     }
21     public void subtract(float a, float b)
22     {
23         System.out.println(a+"-"+b+"="+(a-b));
24     }
25
26
27     public void product(float a, float b)
28     {
29         System.out.println(a+"*"+b+"="+(a*b));
30     }
31
32
33     public void division(float a, float b)
34     {
35         System.out.println(a+"/"+b+"="+(a/b));
36     }
37 }
38 public class Main
39 {
40     public static void main (String[] args) {
41         Calculator cal=new Calculator();
42         Scanner sc=new Scanner(System.in);
43         System.out.println("Author: harsha\nSAP ID: ");
44         try
45         {
46             System.out.println("1. ADD\n2. SUBTRACT\n3. PRODUCT\n4. DIVISION\n5. EXIT");
47             int op=sc.nextInt();
48             switch(op)
49             {
50                 case 0:
51                     System.out.println("Exit");
52                     em.exit(0);
53             }
54         }
55     }
56 }

```



Make public





second.java

Saved



```
1 import java.util.*;
2
3
4 public class Main
5
6     public static boolean isPalindrome(String string,
7     {
8         if (low >= high) {
9             return true;
10        }
11
12        if (string.charAt(low) != string.charAt(high))
13            return false;
14        }
15
16        return isPalindrome(string, low + 1, high - 1);
17    }
18
19    public static void main(String[] args)
20    {
21        String string = "madam";
22
23        if (isPalindrome(string, 0, string.length() - 1))
24            System.out.println("Author:harsha\nSAP ID:51834755\n");
25        System.out.print("given String is Palindrome\n");
26    } else {
27        System.out.print("given String is Not Palindrome\n");
28    }
29    }
30
```

× Terminal



```
Author:harsha
SAP ID:51834755
given String is Palindrome
Process finished.153
```



third.java

Saved



```
1 import java.util.*;
2
3 import java.util.*;
4 public class Main
5 {
6     public static void main (String[] args)
7     {
8         System.out.println("Author :harsha \n SAP ID:51834755");
9         int count=0;
10        int rem=0 ;
11        Scanner sc=new Scanner(System.in);
12        System.out.println("enter a number :");
13        int n= sc.nextInt();
14        while(n>0)
15        {
16            rem=n%10;
17            if(rem%2!=0)
18            {
19                count++;
20            }
21            n=n/10;
22        }
23        System.out.println("no of odd digits in number");
24    }
25 }
26 }
27 }
```

✕ Terminal



```
Author :harsha
SAP ID:51834755
enter a number :
55
no of odd digits in number are ; 2
```




first.java



Saved

```

73     System.out.print("Enter operand 2: ");
74     float sub2=sc.nextFloat();
75     System.out.print("Enter operand 3(if you want to subtract): ");
76     float sub3=sc.nextFloat();
77     if(sub3==0)
78     {
79         cal.subtract(sub1, sub2);
80     }
81     else
82     {
83         cal.subtract(sub1, sub2, sub3);
84     }
85     break;
86 case 3:
87     System.out.print("Enter operand 1: ");
88     float mul1=sc.nextFloat();
89     System.out.print("Enter operand 2: ");
90     float mul2=sc.nextFloat();
91     cal.product(mul1,mul2);
92     break;
93 case 4:
94     System.out.print("Enter operand 1: ");
95     float div1=sc.nextFloat();
96     System.out.print("Enter operand 2: ");
97     float div2=sc.nextFloat();
98     if(div2==0)
99     {
100         throw new ArithmeticException("Number can't be divided by zero");
101     }
102     cal.division(div1,div2);
103     break;
104 default:
105     System.out.println("Invalid choice: ");
106
107
108 InputMismatchException ime)
109 {
110     System.out.println("You have entered input of wrong type");
111 }
112 ArithmeticException ae)
113 {
114     System.out.println(ae.getMessage());
115 }
116
117

```



Make public





first.java



Saved

```
49
50     case 0:
51         System.out.println("Exit...");
52         System.exit(0);
53         break;
54     case 1:
55         System.out.print("Enter operand 1: ");
56         float add1=sc.nextFloat();
57         System.out.print("Enter operand 2: ");
58         float add2=sc.nextFloat();
59         System.out.print("Enter operand 3(if you want to add three numbers): ");
60         float add3=sc.nextFloat();
61         if(add3==0)
62         {
63             cal.add(add1, add2);
64         }
65         else
66         {
67             cal.add(add1, add2, add3);
68         }
69         break;
70     case 2:
71         System.out.print("Enter operand 1: ");
72         float sub1=sc.nextFloat();
73         System.out.print("Enter operand 2: ");
74         float sub2=sc.nextFloat();
75         System.out.print("Enter operand 3(if you want to subtract three numbers): ");
76         float sub3=sc.nextFloat();
77         if(sub3==0)
78         {
79             cal.subtract(sub1, sub2);
80         }
81         else
82         {
83             cal.subtract(sub1, sub2, sub3);
84         }
85         break;
86     case 3:
87         System.out.print("Enter operand 1: ");
88         float mul1=sc.nextFloat();
89         System.out.print("Enter operand 2: ");
90         float mul2=sc.nextFloat();
91         cal.product(mul1,mul2);
92         break;
93     case 4:
94         System.out.print("Enter operand 1: ");
95         float div1=sc.nextFloat();
96         System.out.print("Enter operand 2: ");
97         float div2=sc.nextFloat();
98         if(div2==0)
99         {
100             throw new ArithmeticException("Number cannot be divided by zero");
101         }
102         else
103         {
104             cal.divide(div1,div2);
105         }
106         break;
107 }
```



Make public





first.java

Saved



X Terminal



```
Author: harsha
SAP ID:51834755
1. ADD
2. SUBTRACT
3. MULTIPLICATION
4. DIVISION
5. EXIT
Enter your choice:
51
Invalid choice:

Process finished.
```

Ad

AJIO Mid-Rise Straight Pants
with...

₹646 Black, Mid-Rise
Straight Pants with
Schiffli Panels Feminine

[Visit Site](#)