



Jyothik.java



Saved

```
1
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
10     }
11     public void add(float a, float b)
12     {
13         System.out.println(a+"+"+b+"="+(a+b));
14     }
15
16     public void subtract(float a, float b, float
17     {
18         System.out.println(a+"-"+b+"-"+c+"="+(a
19     }
20     public void subtract(float a, float b)
21     {
22         System.out.println(a+"-"+b+"="+(a-b));
23     }
24
25     public void product(float a, float b)
26     {
27         System.out.println(a+"*"+b+"="+(a*b));
28     }
29
30     public void division(float a, float b)
31     {
32         System.out.println(a+"/"+b+"="+(a/b));
33     }
34 }
35
36
37 }
```



Terminal



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1. ADD

2. SUBTRACT

3. MULTIPLICATION

4. DIVISION

5. EXIT



Jyothik 1.java



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



Terminal



```
Author:A.jyothik
SAP ID:51834611
given String is Palindrome
Process finished.
```



Jyothik 2.java



Saved

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



Terminal



Author :A. jyothik

SAP ID:51834611

enter a number :

4

no of odd digits in number are ; 0

Process finished



Jyothik 3.java



Saved

```
1 import java.util.Arrays;
2
3 class Main
4 {
5     public static void swap(int[] arr, int a, int b)
6     {
7         int temp = arr[a];
8         arr[a] = arr[b];
9         arr[b] = temp;
10    }
11
12    public static void bubbleSort(int[] arr, int m)
13    {
14        for (int a = 0; a < m - 1; a++) {
15            if (arr[a] > arr[a + 1]) {
16                swap(arr, a, a + 1);
17            }
18        }
19        if (m - 1 > 1) {
20            bubbleSort(arr, m - 1);
21        }
22    }
23
24    public static void main(String[] args)
25    {
26        int[] arr = { 5, 1, 7, 9, 8, 0, 2 };
27
28        bubbleSort(arr, arr.length);
29
30        System.out.println("Author: A. Jyothik\n SAP ID: 51834611");
31        System.out.println(Arrays.toString(arr));
32    }
33 }
```



Terminal



```
Author:A.jyothik
SAP ID:51834611
[0, 1, 2, 5, 7, 8, 9]
```

```
Process finished.
```