



palindrome.java



Saved

```
1 //Answer for question 2
2
3 import java.util.Scanner;
4 public class PalindromeRecursion
5 {
6     // to check if string is palindrome using recursion
7     public static boolean checkPalindrome(String str)
8     {
9         if(str.length() == 0 || str.length() == 1)
10             return true;
11         if(str.charAt(0) == str.charAt(str.length()-1))
12             return checkPalindrome(str.substring(1, str.length()-1));
13         return false;
14     }
15     public static void main(String[] args)
16     {
17         Scanner sc = new Scanner(System.in);
18         System.out.println("B.JayaLakshmi");
19         System.out.println("51834667");
20         System.out.println(" enter a string : ");
21         String strInput = sc.nextLine();
22         if(checkPalindrome(strInput))
23         {
24             System.out.println(strInput + " is palindrome");
25         }
26         else
27         {
28             System.out.println(strInput + " not a palindrome");
29         }
30         sc.close();
31     }
32 }
33
```



```
B. JayaLakshmi  
51834667  
  enter a string :  
madam  
madam is palindrome  
  
Process finished.
```



Stringarray.java



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```
1 //Answer for question 5
2
3 public class BubbleSort {
4     public static void main(String []args) {
5         String str[]{"Victor", "Sushant", "Jaya"};
6         String temp;
7         System.out.println("B. JayaLakshmi");
8         System.out.println("51834667");
9         System.out.println("Sorted string is");
10        for (int j = 0; j < str.length; j++) {
11            for (int i = j + 1; i < str.length; i++)
12                // comparing strings
13                if (str[i].compareTo(str[j]) < 0) {
14                    temp = str[j];
15                    str[j] = str[i];
16                    str[i] = temp;
17                }
18            }
19            System.out.println(str[j]);
20        }
21    }
22 }
```



```
B.JayaLakshmi
51834667
Sorted string is
Jaya
Sushant
Victor

Process finished.
```



countodd.java



Saved

```
1
2 //Answer for question 3
3 import java.util.Scanner;
4 public class OddNumbers
5 {
6     public static void main(String []args)
7     {
8         Scanner sc=new Scanner (System.in);
9         System.out.println("B.JayaLakshmi");
10        System.out.println("51834667");
11        System.out.println("enter integer:");
12        int num=sc.nextInt();
13        countingOdd(num);
14    }
15    public static void countingOdd(int num)
16    {
17        int count=0,digit;
18        while(num!=0)
19        {
20            digit=num%10;
21            if(digit%2!=0)
22            {
23                count++;
24            }
25            num=num/10;
26        }
27        System.out.println("count of odd is:"+count)
28    }
29 }
```



```
B. JayaLakshmi  
51834667  
enter integer:  
336  
count of odd is:2
```

```
Process finished.  
|
```