

```
1 //3rd Question
2 import java.util.Scanner;
3 public class Odddigits
4 {
5     public static void main(String args[])
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Ch.Ramana Rohith\n5183");
9         System.out.print("Enter integer:");
10        int num=sc.nextInt();
11        countingOdd(num);
12    }
13    public static void countingOdd(int num)
14    {
15
16        int count=0,dig;
17
18
19        while(num!=0)
20        {
21            dig=num%10;
22            if(dig%2!=0)
23            {
24                count++;
25            }
26            num=num/10;
27        }
28        System.out.println("number of odd digits"+count);
29
30    }
31 }
```

```
Ch.Ramana Rohith  
51834534  
Enter integer:3461  
number of odd digits2  
  
Process finished.
```

```

1 //2nd question
2 import java.util.Scanner;
3 class Palindrome
4 {
5     public static boolean isPal(String sen)
6     {
7         if(sen.length()==0 || sen.length()==1)
8         {
9             return true;
10        }
11        if(sen.charAt(0) == sen.charAt(sen.length()-1))
12        {
13            return isPalindrome(s.substring(1, sen.length()-1));
14        }
15        else
16            return false;
17    }
18    public static void main (String[] args)
19    {
20        Scanner sc=new Scanner(System.in);
21        System.out.println("Ch.Ramana Rohith\n518");
22        System.out.print("Enter a String: ");
23        String sen=sc.nextLine();
24        if(isPalindrome(sen.toLowerCase().replaceAll("\\s+", "")))
25        {
26            System.out.println(sen+" is a Palindrome")
27        }
28        else
29        {
30            System.out.println(sen+" is not a Palindrome")
31        }
32    }
33 }

```

```
Ch.Ramana Rohith  
51834534  
Enter a String: mam  
mam is a Palindrome
```

```
Process finished.  
|
```