```java
//Question 2
public class Main
{
  public static boolean isPalindrome(String string, int low, int high)
  {
    if (low >= high) {
      return true;
    }

    if (string.charAt(low) != string.charAt(high)) {
      return false;
    }

    return isPalindrome(string, low + 1, high - 1);
```

```
15    }
16
17    public static void main(String[] args)
18    {
19      String string = "madam";
20
21      if (isPalindrome(string, 0, string.length() - 1)) {
22        System.out.println("Author:P.Laasya \nSAP ID:51834672");
23        System.out.print("given String is Palindrome");
24      } else {
25        System.out.print("given String is Not Palindrome");
26      }
27    }
28  }
```

```
Author:P.Laasya
SAP ID:51834672
given String is Palindrome
Process finished.
```

```java
//Question 3
import java.util.*;
public class Main
{
  public static void main (String[] args)
  {
    System.out.println("P.Laasya");
    int count=0;
    int rem=0 ;
    Scanner sc=new Scanner(System.in);
    System.out.println("enter a number :");
    int n= sc.nextInt();
    while(n>0)
    {
      ;10;
      %2!=0)
```

File info ⓘ

```
15        rem=n%10;
16        if(rem%2!=0)
17        {
18          count++;
19        }
20        n=n/10;
21
22      }
23      System.out.println("no of odd digits in number are ; "+count);
24
25    }
26  }
```

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```
P.Laasya
enter a number :
3715528
no of odd digits in number are ; 5

Process finished.
```

```java
//Question 5
public class JavaExample {
   public static void main(String []args)
 {
  String str[] = { "Apple", "Strawberry", "Papaya", "Blackberry", "Mango"};
  String temp;
  System.out.println("Strings in sorted order:");
  for (int j = 0; j < str.length; j++) {
        for (int i = j + 1; i < str.length; i++) {
    // comparing adjacent strings
    if (str[i].compareTo(str[j]) < 0) {
```

```
12          str[j] = str[i];
13          str[i] = temp;
14        }
15         }
16         System.out.println(str[j]);
17      }
18       }
19  }
```

File info ⓘ

```
Strings in sorted order:
Apple
Blackberry
Mango
Papaya
Strawberry

Process finished.
```