```java
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);
  }

  public static void main(String[] args)
  {
    String string = "madam";

    if (isPalindrome(string, 0, string.length() - 1)) {
      System.out.println("Author:Nancy Florence \nSAP ID:51834501");
      System.out.print("given String is Palindrome");
    } else {
      System.out.print("given String is Not Palindrome");
    }
  }
}
```

OUTPUT

```
Author:Nancy Florence
SAP ID:51834501
given String is Palindrome
```

```java
import java.util.*;
public class Main
{
  public static void main (String[] args)
  {
    System.out.println("Author :Nancy Florence
\n SAP ID:51834501");
    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)
    {
      rem=n%10;
      if(rem%2!=0)
      {
        count++;
      }
      n=n/10;

    }
    System.out.println("no of odd digits in
number are ; "+count);

  }
}
```

OUTPUT

```
Author :Nancy Florence
 SAP ID:51834501
enter a number :
no of odd digits in number are ; 1
```