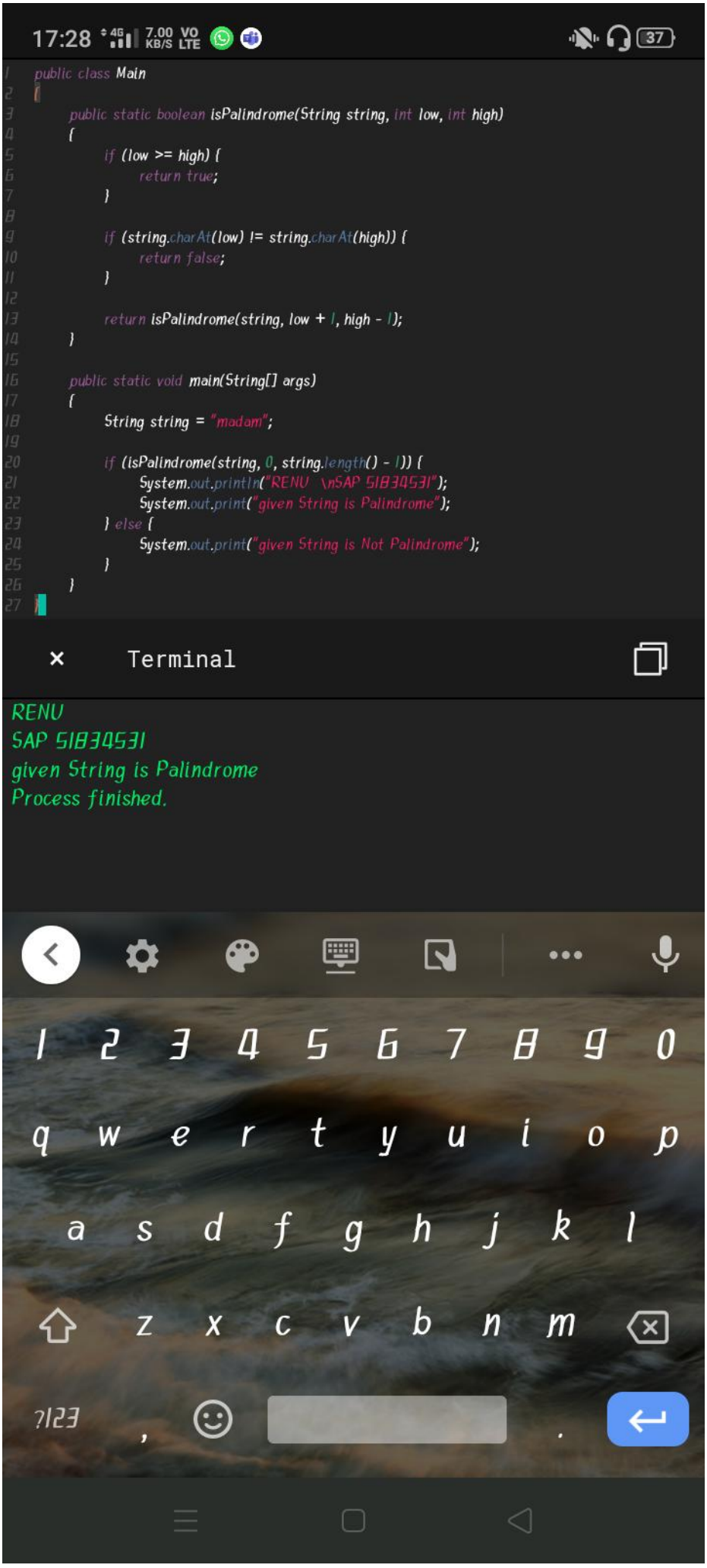
② Public class Main

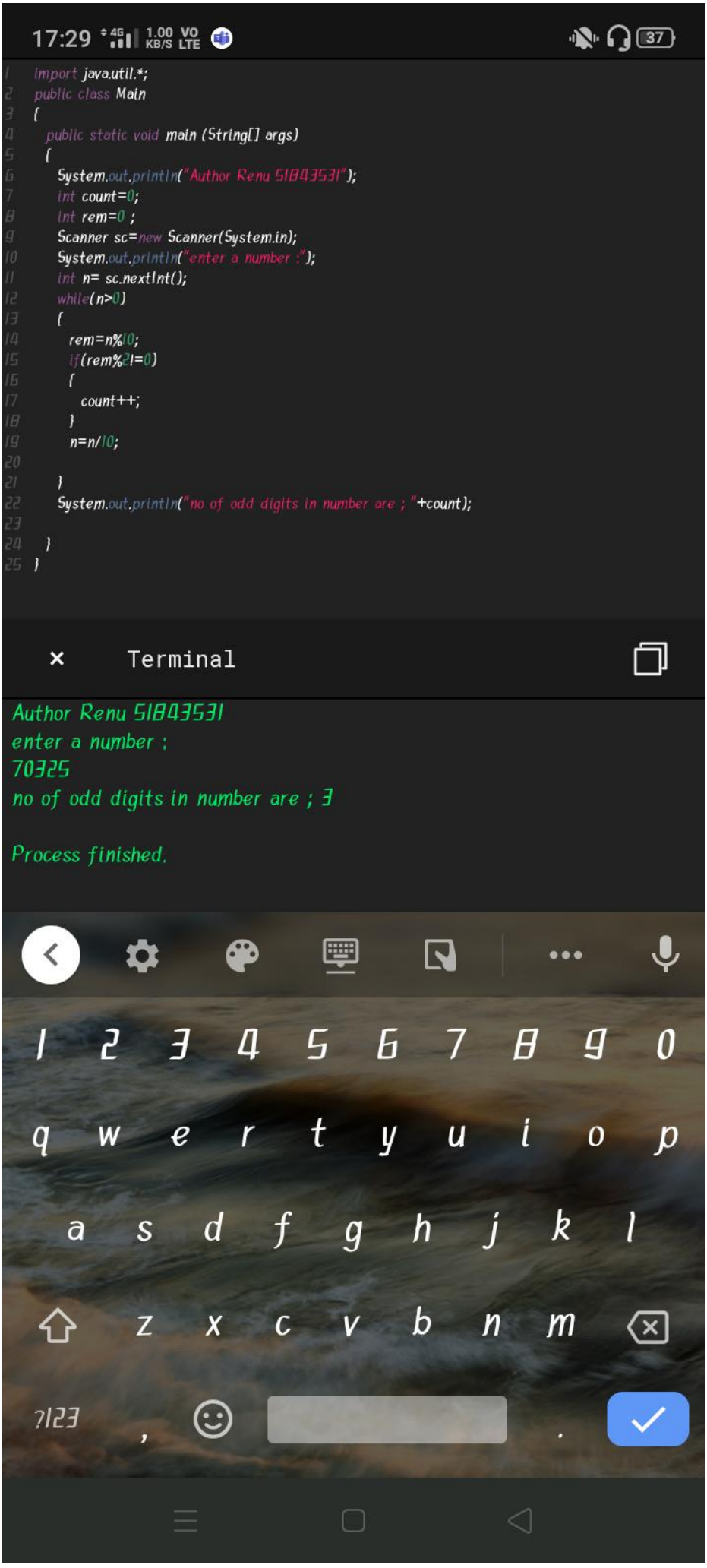
```
{
public static boolean isPalindrome (string
String int low, int high
   {
    IF (low >= high) {
       return true;
    }
if (string.charAt(low) != string.charAt (high)) {
       return false;
  }
  return is palindrome (string, low+1, high-1);
  }

public static void main (string[] args)
  {
  String string = "Renu";
  IF (is palindrome (string, 0, string.length() -1))
  {
```

```
{
System.out.println ("author - Renu, SAP:-51834531")

System.out.println( "given string is palindrome");
 }
  else {
 System.out.println("given string is not
    Palindrome");
  }
 }
}
```

③
```
import java.util.*;
public class Main
{
public static void main (String[] args)
 {
 System.out.println (" Renu, 51834531");

    int count=0;
   int rem=0;
Scanner sc= new Scanner (System.in);
System.out.println(" enter a number");
   int n=sc.nextInt();
```

```
{
    rem= n %.10;

    if (rem %.2 != 0)
    {
      count++;
    }
    n = n / 10;
}

System.out.println ("No.of odd digits in number are:
                    +Count);
```


17:28
7.00 KB/S
VO LTE
37
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("RENU \nSAP 51834531");
System.out.print("given String is Palindrome");
} else {
System.out.print("given String is Not Palindrome");
}
}
}
Terminal
RENU
SAP 51834531
given String is Palindrome
Process finished.
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123


17:29
1.00 KB/S
VO LTE
37
import java.util.*;
public class Main
{
public static void main (String[] args)
{
System.out.println("Author Renu 51843531");
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);
}
}
Terminal
Author Renu 51843531
enter a number :
70325
no of odd digits in number are ; 3
Process finished.