```
Dt: 16/9/2022
```

```
Ex-program: DemoString7.java
package maccess;
import java.util.*;
public class DemoString7 {
     public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.println("Entert the String-1:");
        String s1 = s.nextLine().trim();
        System.out.println("Entert the String-2:")
        String s2 = s.nextLine().trim();
        System.out.println("====equals()====");
        boolean k = s1.equalsIgnoreCase(s2);
        if(k) {
           System.out.println("Strings are equal"
           System.out.println("String are Not
        System.out.println("====compareTo(
        int z = s1.compareToIgnoreCase(s2)
        if(z==0) {
           System.out.println("Strings are equal...");
         }else {
           System.out.println("String are Not-equal...");
        s.close();
}
o/p:
Entert the String-1
iava
Entert the String-2:
JAVA
====equals()====
Strings are equal...
====compareTo()====
```

```
Strings are equal...
```

```
Assignment:(Solution)
```

wap to read a String and display the following:

i/P: java18 by 2022 99% LTS product

o/p:

Count of Vowels : 4

Count of Consonents: 12

Count of Numbers : 8

Sum of Numbers : 1+8+2+0+2+2+9+9 = 33

Count of others : 6

Ex: DemoString8.java

```
package maccess;
import java.util.Scanner;
public class DemoString7 {
     public static void main(String[] args) {
          Scanner s = new Scanner(System.in);
        System.out.println("Entert the String:");
        String str = s.nextLine();
        int len = str.length();
        int alphabets=0, numbers=0, vowels=0, sum=0;
        for(int i=0;i<=len-1;i++) {</pre>
          char ch = str.charAt(i);//Char based in index
          int k = (int)ch;//char into ASCII(int)
          switch (ch)
          {
          case 'a':
          case 'A':
               vowels++;
               break;
```

```
case 'e':
          case 'E':
               vowels++;
               break;
          case 'i':
          case 'I':
               vowels++;
               break;
          case 'o':
          case '0':
               vowels++;
               break;
          case 'u':
          case 'U':
               vowels++;
               break:
          }//end of switch
          if((k>=65 && k<=90) || (k>=97 &&
               alphabets++;
          }//end of if
          if (k>=48 && k<=57)
               numbers++;
               String st = String.valueOf(ch);//char to String
               int p = Integer.parseInt(st);//String to int
               sum=sum+p;
          }//end of 1
        }//end of loop
        System.out.println("Count of Vowels : "+vowels);
        System.out.println("Count of Consonents : "+(alphabets-
vowels));
        System.out.println("Count of Numbers :"+ numbers);
        System.out.println("Sum of Numbers : "+sum);
       System.out.println("Count of others : "+(len-
(alphabets+numbers)));
        s.close();
}
```

EX-program:

wap to to validate rollNo belongs to the branch or not?

```
GenerateBranch.java
```

```
package p1;
public class GenerateBranch {
     public String generate(String brCode) {
      return switch(brCode) {
      case "01":yield "CIVIL";
      case "02":yield "EEE";
      case "03":yield "MECH";
      case "04":yield "ECE";
      case "05":yield "CSE";
      default:yield null;
      };
     ł
}
CheckBranch.java
package p1;
public class CheckBranch {
     public boolean verify(String br)
     ſ
         return switch(br)
          {
             case "CIVIL":yield true;
             case "MECH": yield true;
                case "CSE" : yield true;
                case "ECE" : yield true;
                case "EEE" : yield true;
                default : yield false;
StuMainClass.java(MainClass)
package p1;
public class CheckBranch {
     public boolean verify(String br)
     {
         return switch(br)
             case "CIVIL":yield true;
```

```
case "MECH":yield true;
              case "CSE" : yield true;
              case "ECE" : yield true;
              case "EEE" : yield true;
              default : yield false;
         };
  }
}
```