

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...");
        }else {
            System.out.println("String are Not-equal...");
        }
        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:

java

Entert the String-2:

JAVA

====equals()====

Strings are equal...

====compareTo()====



```

        case 'e':
        case 'E':
            vowels++;
            break;
        case 'i':
        case 'I':
            vowels++;
            break;
        case 'o':
        case 'O':
            vowels++;
            break;
        case 'u':
        case 'U':
            vowels++;
            break;
    } //end of switch

    if((k>=65 && k<=90) || (k>=97 && k<=122))
    {
        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 if
} //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;
        };
    }
}
```

### CheckBranch.java

```
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;
        };
    }
}
```

### 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;
    };
}
}
```

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