Thursday Lab:

Read a string, and count the number of alphabets, digits, symbols, space characters, words present in a string.

In the same program , accept a string and check whether it is present in the main string or not.

Input : Java18 is a robust language.

Count : 28

Alphabets : ?

Digits : ?

Symbols : ?

Words : ?

Enter a substring : robust

Searching substring is present in your string

```
package jeevan;
import java.util.*;
import java.util.Scanner;

public class String_manupulation {
      public static void main(String[] args) {
            Scanner sc=new Scanner(System.in);
            System.out.println("enter a string:");
            String str=sc.nextLine();//reading from keyboard
            char ch;
            int alpha,digit,symbol,space,word;
            alpha=digit=symbol=space=word=0;
            for(int i=0;i<str.length();i++) // using for loop
            {
                  ch=str.charAt(i);  //all the variables are storing in
ch
                 if(Character.isAlphabetic(ch))
                        alpha++;
                  else if(Character.isDigit(ch))
                        digit++;
                  else if(Character.isWhitespace(ch))
                        space++;
                  else
                        symbol++;

            }
```

```
            word=space+1;

      System.out.println("No of alphabets:"+alpha);
      System.out.println("no of digits:"+digit);
      System.out.println("no of space:"+space);
      System.out.println("no of symbol:"+symbol);
    System.out.println("no of word:"+word);

            System.out.println("enter a substring:");
             String str1=sc.nextLine();
             if(str.contains(str1))  //substring contains or not
             {
                  System.out.println("substring is present in main
string");
             }
                  else
                        System.out.println("substring is not present in
main string");

}

}
```

OUTPUT:

```
enter a string:
Java18 is a robust language
No of alphabets:21
no of digits:2
no of space:4
no of symbol:0
no of word:5
enter a substring:
language
substring is present in main string
```

Lab2:

Read userid, password and compare with predefined string constants. (use equal Ignore case method)

Eg: uid:AF0123 PWD:stu@123

```
package jeevan;
import java.util.*;
import java.util.Scanner;

public class String_2 {
      public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
```

```
        String Uid = "AF0123";
        String Pwd = "stu@123";


        System.out.print("Enter the userid: ");
        String Userid = scanner.nextLine();
        System.out.print("Enter the userpwd: ");
        String userPwd = scanner.nextLine();


        if (Userid.equalsIgnoreCase(Uid) &&
userPwd.equalsIgnoreCase(Pwd))
        {
            System.out.println("Successfullycompleted");
        }
        else
        {
            System.out.println("Not completed");
}
}
}
```

OUTPUT:

```
Enter the userid: AF0123
Enter the userpwd: stu@123
Successfullycompleted
```