15-06-2023

<u>Thursday Lab</u>:

1 . 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.

```java
package Tsgol.com;
import java.util.*;
public class Stringcount {

    public static void main(String[] args) {

            int count=0;
            int ch;
            int a=0;
            int d=0;
            int spa=0;
            int special=0;
            String sub="robust";
            String s= "Java 18 is a robust language";
            for(int i=0;i<s.length();i++)
            {
            ch=s.charAt(i);
            if(ch>='a'&&ch<='z' || ch>='A'&&ch<='Z' )
            {
            a++;
            }
             else if(ch>='0'&& ch<='9')
            {
            d++;
            }
            else if(ch==' ')
            {
                spa++;
            }
            else
            {
                special++;
            }
            }
            System.out.println(" count of aphabets  "+a);
            System.out.println(" count of digits  "+d);
            System.out.println(" count of number of words
"+spa);
            System.out.println(" count of special
characters "+special++);
```

```java
            System.out.println(s.contains(sub));
        }
    }
```

OUTPUT:

```
count of aphabets  21
 count of digits  2
 count of number of words  5
 count of special characters 0
true
```

2. Read userid , password and compare with predefined string constants.(use equal ignore case method) Eg : ID : AF0123 , PWD: STU@123

```java
package Tsgol.com;
import java.util.*;
public class Check {

    public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    String id,password,ID,PWD;
    id="AF0123";
    password="STU@123";
    System.out.println("Enter your id");
    ID=sc.next();
    System.out.println("Enter your password");
    PWD=sc.next();
if(id.equalsIgnoreCase(ID)&password.equalsIgnoreCase(PWD))
{
    System.out.println("login completed successfully");
}
else
{
    System.out.println("wrong id or passsword");
}
}
}
```

OUTPUT:

```
Enter your id
AF0123
Enter your password
STU@123
login completed successfully
```