

N. HARI PRASAD(LAB1&LAB2)

Q1.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 lab.controlstms; // package declaration
```

```
import java.util.*;
```

```
public class Lab2 {
```

```
public static void main(String[] args) {
```

```
Scanner key=new Scanner(System.in);
```

```
System.out.println(" Enter a string");
```

```
String s=key.nextLine();
```

```
int alpha,digit,symbol,space,word;

char ch;

alpha=digit=symbol=space=word=0;

for(int i=0;i<s.length();i++) {

    ch=s.charAt(i);

    if(Character.isAlphabetic(ch)) // counting of alphabets

        alpha++;

    else if(Character.isDigit(ch)) // counting of digits

        digit++;

    else if(Character.isWhitespace(ch))// counting of spaces

        space++;

    else

        symbol++; // counting of symbols

    }word=space+1;

    // Displaying the outputs

    System.out.println("No of alphabets : "+alpha);

    System.out.println("No of digits : "+digit);

    System.out.println("No of spaces : "+space);

    System.out.println("No of symbols : "+symbol);

    System.out.println(" Enter sub string");

    String s1=key.nextLine();

    if(s.contains(s1))

        System.out.println("My sub string is present");
```

```
}
```

```
}
```

OUTPUT:

Enter a string

Java18 is robust language.

No of alphabets : 20

No of digits : 2

No of spaces : 3

No of symbols : 1

Enter sub string

robust

My sub string is present

Q2.Read userid, password and compare with predefined string constants. (use equal Ignore case method)

Eg: uid:AF0123 PWD:stu@123

```
package hari.javaprogramming; // package declaration
```

```
import java.util.*;
```

```
public class User_pwd {
```

```
public static void main(String[] args) {
```

```
String userid,pwd;
```

```
Scanner key=new Scanner(System.in);

System.out.println(" enter userid and password");

userid=key.next();

pwd=key.next();

String uid="Af0123";

String password="STU@123";

System.out.println(userid);

System.out.println(pwd);

// here we can comparing userid with uid and pwd with password.

if(userid.equalsIgnoreCase(uid) & pwd.equalsIgnoreCase(password))
{

System.out.println("succesfull login");

}else {

System.out.println("login failed");

}

}

}
```

Output:

enter userid and password

Af0123

stu@123

Af0123

stu@123

succesfull login

(or)

enter userid and password

af234

gaff45

af234

gaff45

login failed