

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.

Count : 28

Alphabets : ?

Digits : ?

Symbols : ?

Words : ?

Enter a substring : robust

Searching substring is present in your string

**package** Bhaghi;

**import** java.util.\*;

**public class** string {

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

*// TODO Auto-generated method stub*

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

*Scanner input = new Scanner(System.in);* //creating scanner object

*//variable declaration*

**int** digits=0, alphabets=0, words=0, symbol=0, space=0;

**char** ch;

**String** substring;

**System.out.println**("Enter a text");

*// reading string value from keyboard*

**String** text = input.nextLine();

*//looping statement*

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

alphabets

```
ch = text.charAt(i); //storing the each literal into the ch

if(ch==' ') //checking space
    space++;

else if (ch>='0' & ch<='9') //checking numbers
    digits++;

else if (ch>='a' & ch<='z' | ch>='A' & ch<='Z') //checking
    alphabets++;

else
    symbol++;

}

//counting the no.of words
words=space+1;

//print the all values
System.out.println("count is "+text.length());
System.out.println("words is "+words);
System.out.println("digts is "+digits);
System.out.println("space is "+space);
System.out.println("alphabets is "+alphabets);
System.out.println("symbol is "+symbol);


System.out.println("Enter a sub string");
substring=input.next();

//checking sub string is present or not
if(text.contains(substring))
    System.out.println("Searching sub string is present");

else
    System.out.println("Searching sub is not present");
```

}

}

*Output:*

*Enter a text*

*Java 18 is a robust language*

*count is 28*

*words is 6*

*digts is 2*

*space is 5*

*alphabets is 21*

*symbol is 0*

*Enter a sub string*

*Lab2:*

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

*Eg: uid:AF0123 PWD:stu@123*

***package*** tesla;

***import*** java.util.Scanner;

***public class*** equal {

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

```
// TODO Auto-generated method stub
```

```
Scanner key = new Scanner(System.in); //Creating scanner object
```

```
String userid,pwd,ID,PASS; //Declaring variables
```

```
userid="bhaghi123";
```

```
pwd="@bh123";
```

```
System.out.println("Enter userid"); // reading string value from keyboard
```

```
ID=key.nextLine();
```

```
System.out.println("enter pwd");
```

```
PASS=key.nextLine();
```

```
if(userid.equalsIgnoreCase(ID)&pwd.equalsIgnoreCase(PASS))
```

```
{ //comparing the use id and password is same or not
```

```
    System.out.println("You are login successfully");
```

```
    }
```

```
    else {
```

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

```
    }
```

```
}
```

```
}
```

Output:

Enter userid

Bhaghi123

enter pwd

@bh123

You are login successfully

