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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 LAB2;
import java.util.*;
public class String_Manuplation {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter a String");

        String str = sc.nextLine();

        char ch;
        int alpha, digit, symbol, space, word;

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

        for(int i=0;i<str.length();i++)
        {
            ch=str.charAt(i);

            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 spaces" + space);  
System.out.println("No.of symbols" + symbol);  
System.out.println("No.of words" + word);
```

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

```
String str1=sc.nextLine();
```

```
if(str.contains(str1))  
System.out.println("Substring present in main string");  
else  
System.out.println("Substring is not present in the main sting");  
}  
}
```

OUTPUT:

Enter a String

We have to join the session @sharp 10:00Am Daily.

No.of alphabets 32

No.of digits 4

No.of spaces 7

No.of symbols 3

No.of words 8

Enter a sub string

@sharp 10:00Am Daily.

Substring present in main string

(OR)

Enter a String

deepthiuttamsethi9966@gmail.com

No.of alphabets 25

No.of digits 4

No.of spaces 0

No.of symbols 2

No.of words 1

Enter a sub string

ettamsethi 9966

Substring is not present in the main sting

**Q2. Read userid, password and compare with predefined string constants.
(use equal Ignore case method)
Eg: uid:AF0123 PWD:stu@123**

```
package Interface;
import java.util.*;
public class User {

    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="AF01311771Deepthi";
        String password="ven@123";
        System.out.println(userid);
        System.out.println(pwd);
        if(userid.equalsIgnoreCase(uid) &      pwd.equalsIgnoreCase(password))
        {
            System.out.println("Succesfully login");
        }
        else
        {
            System.out.println("Login failed");
        }
    }
}
```

OUTPUT:

Enter userid and password

AF01311771Deepthi

ven@123

AF01311771Deepthi

ven@123

Successfully login

(OR)

Enter userid and password

AF01311771Deepthi

Deepthi123

AF01311771Deepthi

Deepthi123

Login failed