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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

```java
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))
```

```java
                        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
deepthiettamsethi9966@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

```java
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
Succesfully login

(OR)

Enter userid and password
AF01311771Deepthi
Deepthi123
AF01311771Deepthi
Deepthi123
Login failed