

STRING_ MANUPULATION _LAB

Q-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 poojal;

public class string {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        int count=0;
        int ch;
        int a=0;
        int d=0;
        int spa=0;
        int sym=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++;
            }
        }
    }
}
```

```

    }
    }
    System.out.println(" count the number of alphabets
"+a);
    System.out.println(" count the number of digits
"+d);
    System.out.println(" count of number of words
"+spa);
    System.out.println(" count of number of symbols
"+sym);
    System.out.println(s.contains(sub));
    }

}

```

OUTPUT:

```

count the number of alphabets 21
count the number of digits 2
count of number of words 5
count of number of symbols 0
true

```

Q-2: Read userid, password and compare with predefined string constants. (use equal Ignore case method)

Eg: uid:AF0123 PWD:stu@123

```

package poojal;

import java.util.Scanner;

public class Test {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        Scanner sc = new Scanner(System.in);
        String userid, pwd;
        String Uid = "AF0123";
        String Pwd = "stu@123";

        System.out.print("Enter the uid: ");
        String Uid1 = new String();
    }
}

```

```
System.out.print("Enter the pwd: ");
String Pwd1 = new String();

    if (Uid1.equalsIgnoreCase(Uid1) &&
Pwd1.equalsIgnoreCase(Pwd1)) {
        System.out.println("login successfully");
    } else {
        System.out.println("login faild");
    }
}

}
```

OUTPUT:

Enter the uid: Enter the pwd: login successfully