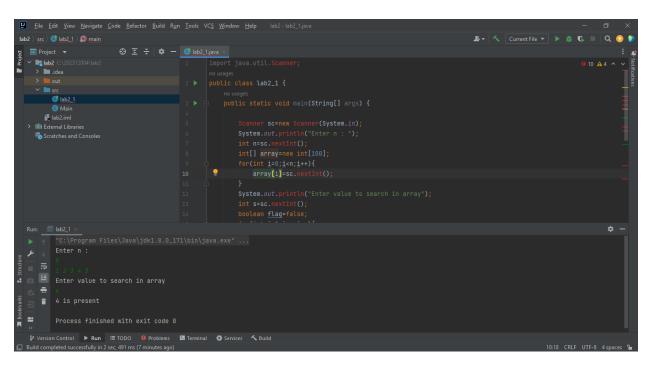
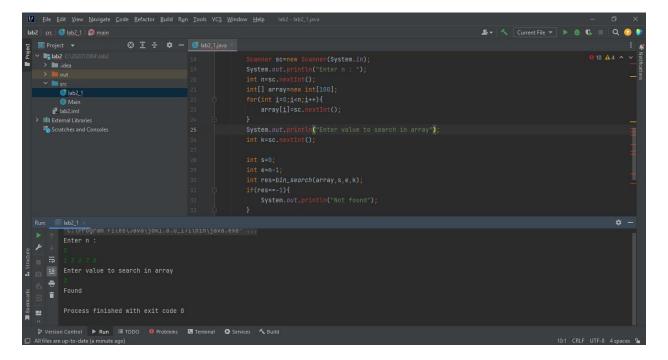
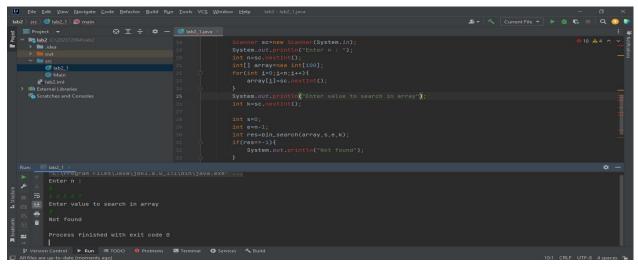
```
import java.util.Scanner;
public class lab2_1 {
    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);
        System.out.println("Enter n : ");
        int n=sc.nextInt();
        int[] array=new int[100];
        for(int i=0;i<n;i++) {
            array[i]=sc.nextInt();
        }
        System.out.println("Enter value to search in array");
        int s=sc.nextInt();
        boolean flag=false;
        for(int i=0;i<n;i++) {
            if(array[i] == s) {
                flag=true;
            }
        }
        if(flag) {
                System.out.println(s + " is present");
        }
        else {
                System.out.println(s + " Not present");
        }
    }
}</pre>
```



```
int s=0;
int e=n-1;
int res=bin_search(array,s,e,k);
if(res==-1) {
        System.out.println("Not found");
}
else{
        System.out.println("Found");
}
}
```





```
a=input.nextInt();
a=input.nextInt();
```

```
import java.util.Scanner;
public class lab2_1 {

    static int fact(int n) {
        if (n==1) {
            return 1;
        }
        return n*fact(n-1);
    }

    public static void main(String[] args) {

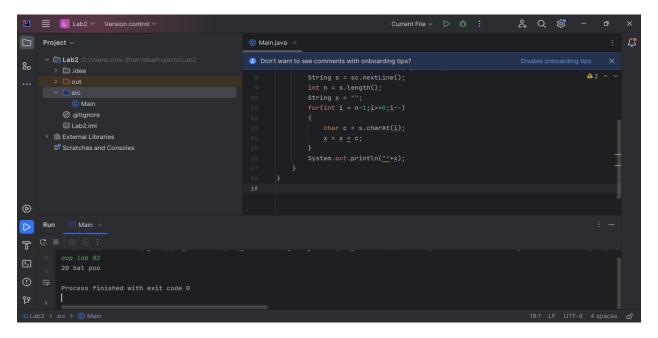
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter n : ");
        int n=sc.nextInt();
        int v=fact(n);
        System.out.println(v);
    }
}
```

```
public class que2 {
   public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        int n = str.length();
        Boolean ans = true;
        for (int i = 0; i < n / 2; i++) {
            if(str.charAt(i) != str.charAt(n - i - 1)) {
                ans = false;
                break;
            }
        }
        if(ans) {
                System.out.println("Palindrome.");
        }else{
                System.out.println("Not palidnrome.");
        }
    }
}</pre>
```

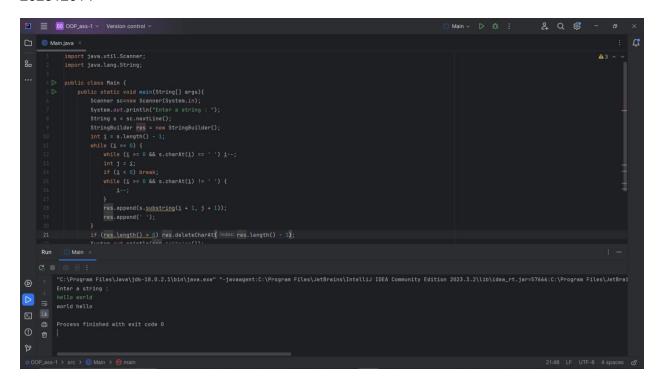
```
import java.util.Scanner;

public class Main
{
   public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String s = sc.nextLine();
        int n = s.length();
        String x = "";
        for(int i = n-1;i>=0;i--)
        {
            char c = s.charAt(i);
            x = x + c;
        }
        System.out.println(""+x);
    }
}
```



```
import java.util.Scanner;
import java.lang.String;

public class Main {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a string: ");
        String s = sc.nextLine();
        StringBuilder res = new StringBuilder();
        int i = s.length() - 1;
        while (i >= 0) {
            while (i >= 0 && s.charAt(i) == ' ') i--;
            int j = i;
            if (i < 0) break;
            while (i >= 0 && s.charAt(i) != ' ') {
                i--;
            }
            res.append(s.substring(i + 1, j + 1));
            res.append(' ');
        }
        if (res.length() > 0) res.deleteCharAt(res.length() - 1);
        System.out.println(res.toString());
    }
}
```



```
public class Main {

public static boolean isValidAnagram(String s1, String s2) {
    if (s1.length() != s2.length())
        return false;
    int[] v1 = new int[26];
    int[] v2 = new int[26];
    for (int i = 0; i < s1.length(); i++) {
        v1[s1.charkt(i) - 'a']++;
        v2[s2.charAt(i) - 'a']++;
    }
    for (int i = 0; i < 26; i++) {
        if (v1[i] != v2[i])
            return false;
    }
    return true;
}

public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    String s1 = scanner.nextLine();
    String s2 = scanner.nextLine();
    if (isValidAnagram(s1, s2)) {
        System.out.println("Valid");
    } else {</pre>
```

```
System.out.println("Not valid");
}
scanner.close();
}
```

```
| Main | Definition | Program | Prog
```

```
}
System.out.println("Second large : " + secondlarge);
}
```

```
sum = sum - arr[i];
}
System.out.println("Missing number : " + sum);
}
```

#### Output:

