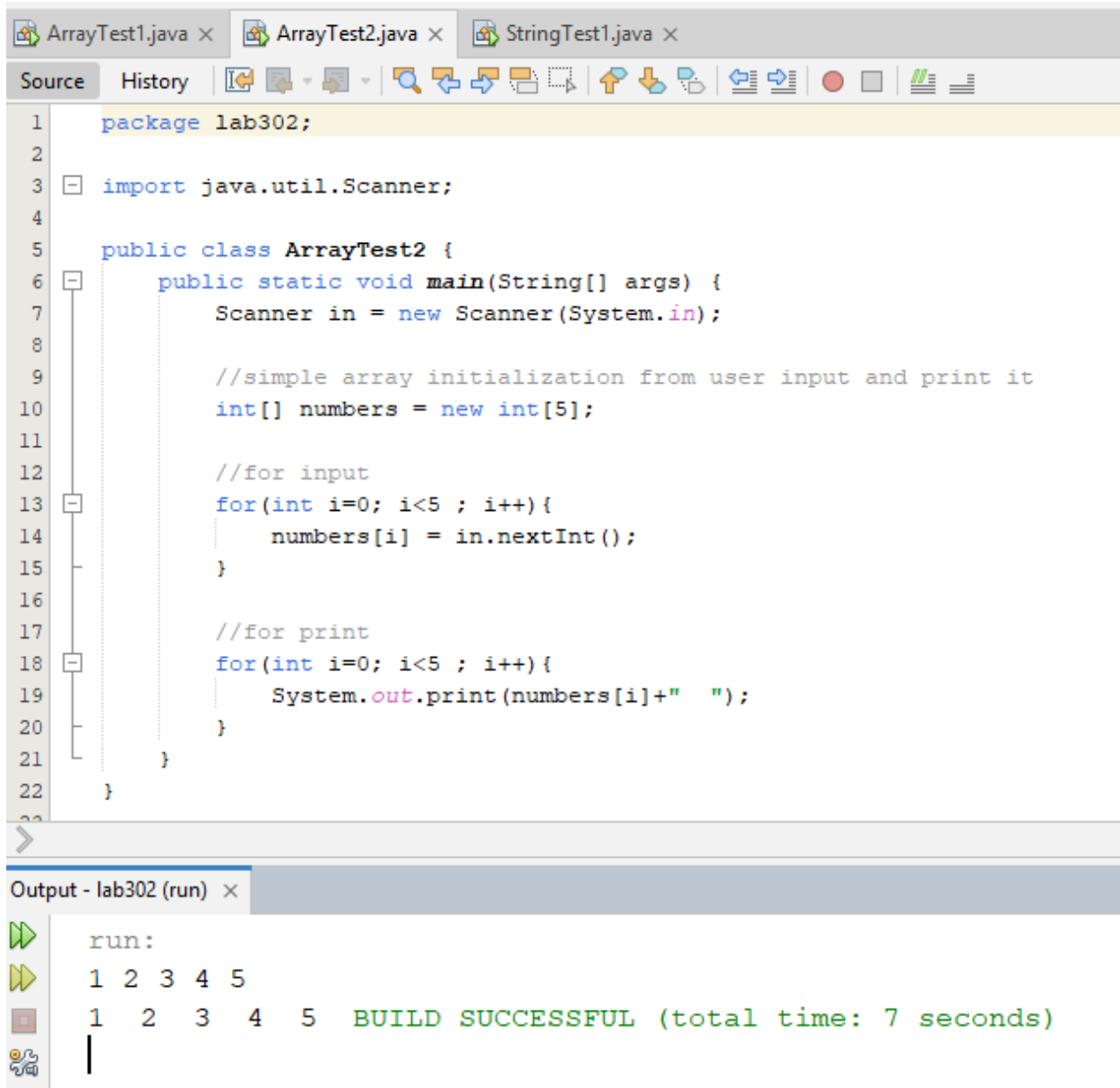


Problem 1. Write a java program that takes an user input array and display its elements.

Code:



The screenshot shows an IDE with three tabs: ArrayTest1.java, ArrayTest2.java (active), and StringTest1.java. The ArrayTest2.java file contains the following code:

```
1 package lab302;
2
3 import java.util.Scanner;
4
5 public class ArrayTest2 {
6     public static void main(String[] args) {
7         Scanner in = new Scanner(System.in);
8
9         //simple array initialization from user input and print it
10        int[] numbers = new int[5];
11
12        //for input
13        for(int i=0; i<5 ; i++){
14            numbers[i] = in.nextInt();
15        }
16
17        //for print
18        for(int i=0; i<5 ; i++){
19            System.out.print(numbers[i]+" ");
20        }
21    }
22 }
```

The output window, titled "Output - lab302 (run)", shows the following text:

```
run:
1 2 3 4 5
1 2 3 4 5 BUILD SUCCESSFUL (total time: 7 seconds)
```

Problem 2. Write a java program that performs string methods like :

- i) charAt(); ii) concat(); iii) contains(); iv) equals(); v) indexOf(); vi) isEmpty(); vii) length(); viii) replace();
- ix) splits(); x) trim(); xi) toUpperCase(); xii) toLowerCase();

Code:

```
ArrayTest1.java x ArrayTest2.java x StringTest1.java x
Source History
1 package lab303;
2
3 public class StringTest1 {
4     public static void main(String[] args) {
5         String s = "the quick brown fox jumps over the lazy dog.";
6
7         System.out.println("The length is: " + s.length() );
8
9         System.out.println("To Uper Case: " + s.toUpperCase() );
10
11        System.out.println("The index : " + s.indexOf("quick") );
12
13        String s1 = "My name is ";
14        String s2 = "Mahfuz";
15        System.out.println("The conact : " + s1.concat(s2) );
16
17        System.out.println("The contains1 : " + s.contains("over") );
18        System.out.println("The contains2 : " + s.contains("name") );
19
20        String s3 = "My name is ";
21        System.out.println("is equals : " + s1.equals(s2) );
22        System.out.println("is equals2 : " + s1.equals(s3) );
23
24        System.out.println("The index of : " + s1.indexOf("name") );
25
26        String s4 = "";
27        System.out.println("is Empty : " + s1.isEmpty() );
28        System.out.println("is empty : " + s4.isEmpty() );
29
30        String s5 = "    the quick brown fox jumps over the lazy dog.";
31        System.out.println("Replace : " + s5.replace('n','s') );
32
33        System.out.println("Replace : " + s5.trim() );
34    }
35 }
```

Output - lab303 (run) x

```
run:
The length is: 44
To Uper Case: THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.
The index : 4
The conact : My name is Mahfuz
The contains1 : true
The contains2 : false
is equals : false
is equals2 : true
The index of : 3
is Empty : false
is empty : true
Replace :    the quick brows fox jumps over the lazy dog.
Replace : the quick brown fox jumps over the lazy dog.
BUILD SUCCESSFUL (total time: 0 seconds)
```

Problem 3. Write a java program to print 1-10 except 5 using continue keyword.

Code:

```
package lab3;

public class ArrayTest1{
    public static void main(String[] args) {
        //simple array initialization and print it
        int[] numbers = new int[100];

        //for input
        for(int i=0; i<10 ; i++){
            numbers[i]=i;
        }

        //for print
        for(int i=0; i<10 ; i++){
            if(numbers[i]==5) continue;
            System.out.print(numbers[i]+" ");
            if(i%10==0) System.out.println();
        }
    }
}
```

lab3.ArrayTest1 >

out - lab3 (run) x

run:

0

1 2 3 4 6 7 8 9 BUILD SUCCESSFUL (total time: 0 seconds)