Arrays -

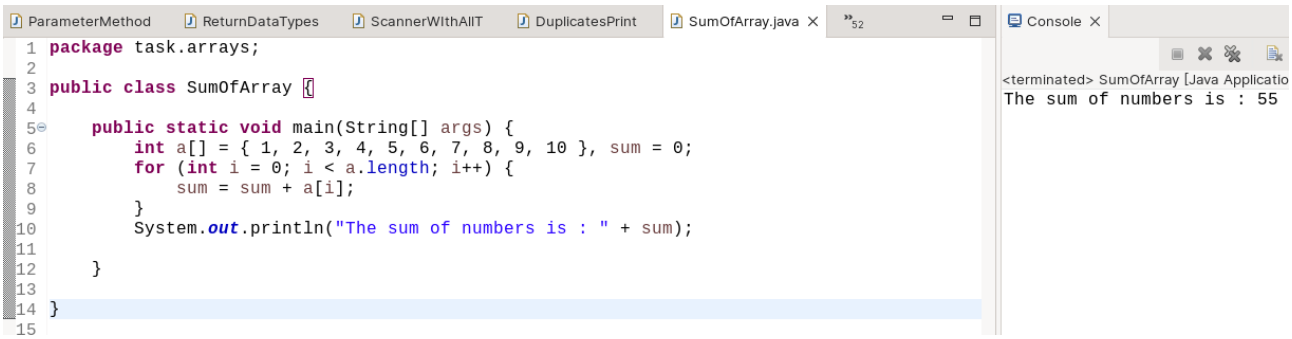
QUESTION 1:

Description : Write a Java program to sum values of an array

Input a[]= {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Output = 55

Program & Output :-




```java
package task.arrays;

public class SumOfArray {

    public static void main(String[] args) {
        int a[] = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 }, sum = 0;
        for (int i = 0; i < a.length; i++) {
            sum = sum + a[i];
        }
        System.out.println("The sum of numbers is : " + sum);

    }

}
```

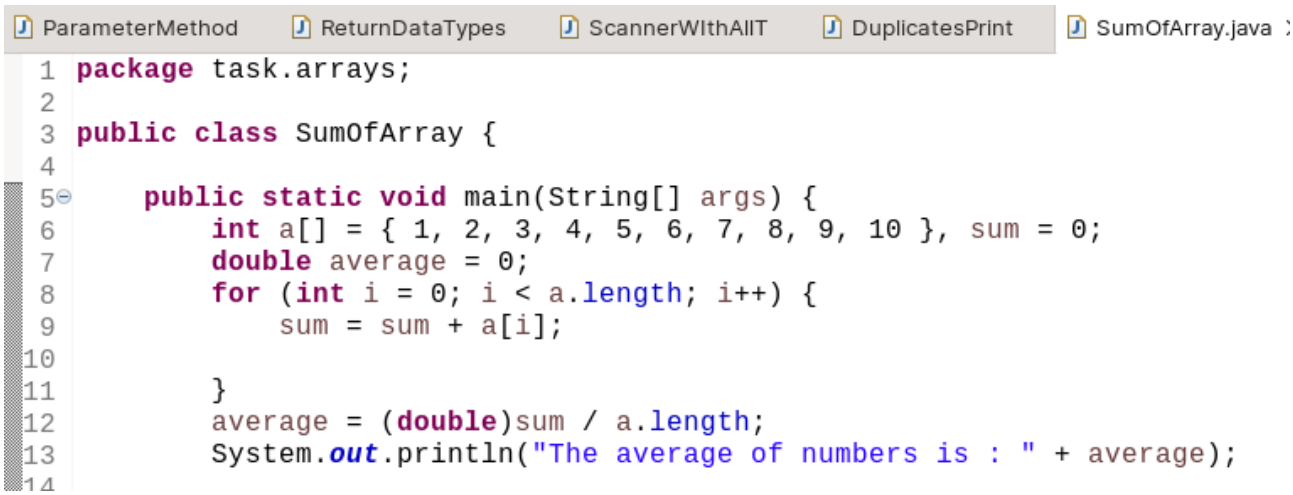
QUESTION 2:

Description : Write a Java program to calculate the average value of array elements.

Input a[]= {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Output = average = 5.5

Program & Output :-




```java
package task.arrays;

public class SumOfArray {

    public static void main(String[] args) {
        int a[] = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 }, sum = 0;
        double average = 0;
        for (int i = 0; i < a.length; i++) {
            sum = sum + a[i];

        }
        average = (double)sum / a.length;
        System.out.println("The average of numbers is : " + average);
```

QUESTION 3:

Description : Write a Java program to remove duplicates from array

Input a[]= {10,10,20,50,60,80,60,50}

Output a[]= {10,20,50,60,80}

Program & Output :-

ParameterMethod | ReturnDataTypes | DuplicatesPrint | DupicatesRemova | SumOfArray.java

```
1  package task.arrays;
2
3  public class SumOfArray {
4
5      public static void main(String[] args) {
6
7          int j, temp;
8          int a[] = { 10, 10, 20, 50, 60, 80, 60, 50 };
9
10         for (int i = 0; i < a.length; i++) {
11             for (j = i + 1; j < a.length; j++) {
12                 if (a[i] > a[j]) {
13                     temp = a[i];
14                     a[i] = a[j];
15                     a[j] = temp;
16                 }
17             }
18         }
19         System.out.println("After removed :- ");
20         System.out.print(a[0]+"\t");
21         for (int i = 1; i < a.length; i++) {
22             if (a[i] == a[i - 1]) {
23                 continue;
24             } else {
25                 System.out.print(a[i] + "\t");
26             }
27         }
28
```

Console

```
<terminated> SumOfArray [Java Application] /home/kum
After removed :-
10      20      50      60      80
```