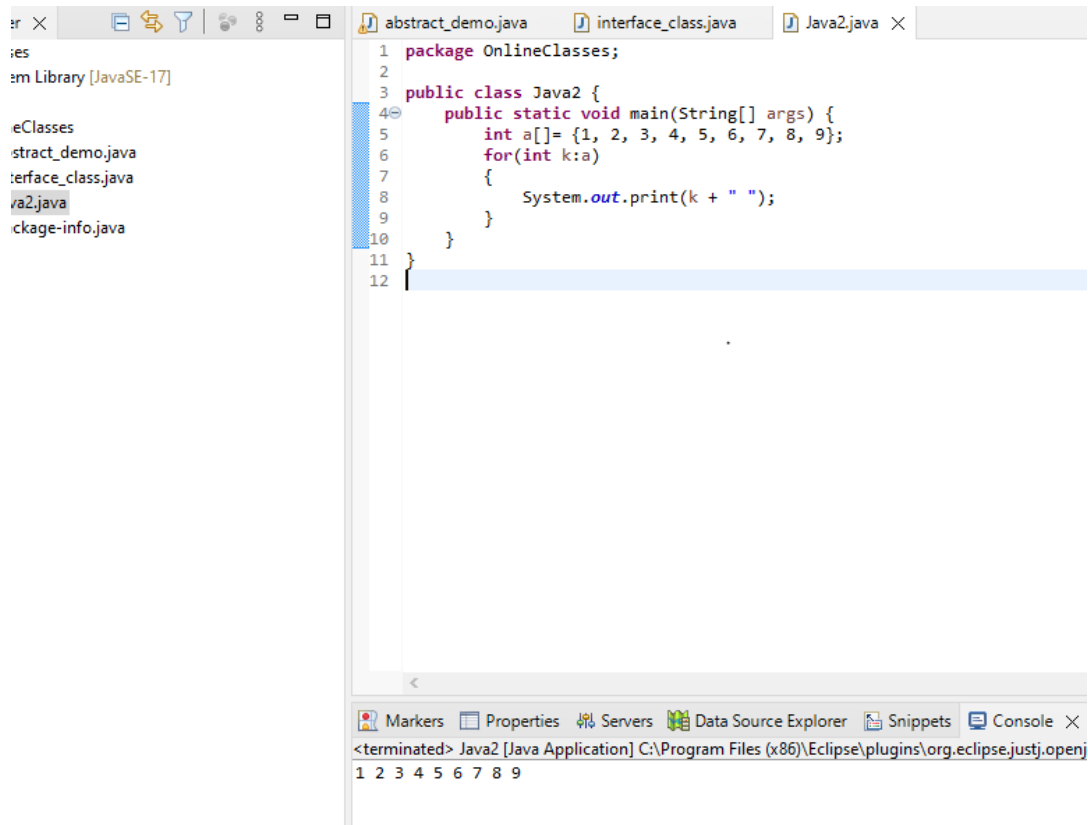


Shobhit Tulshain

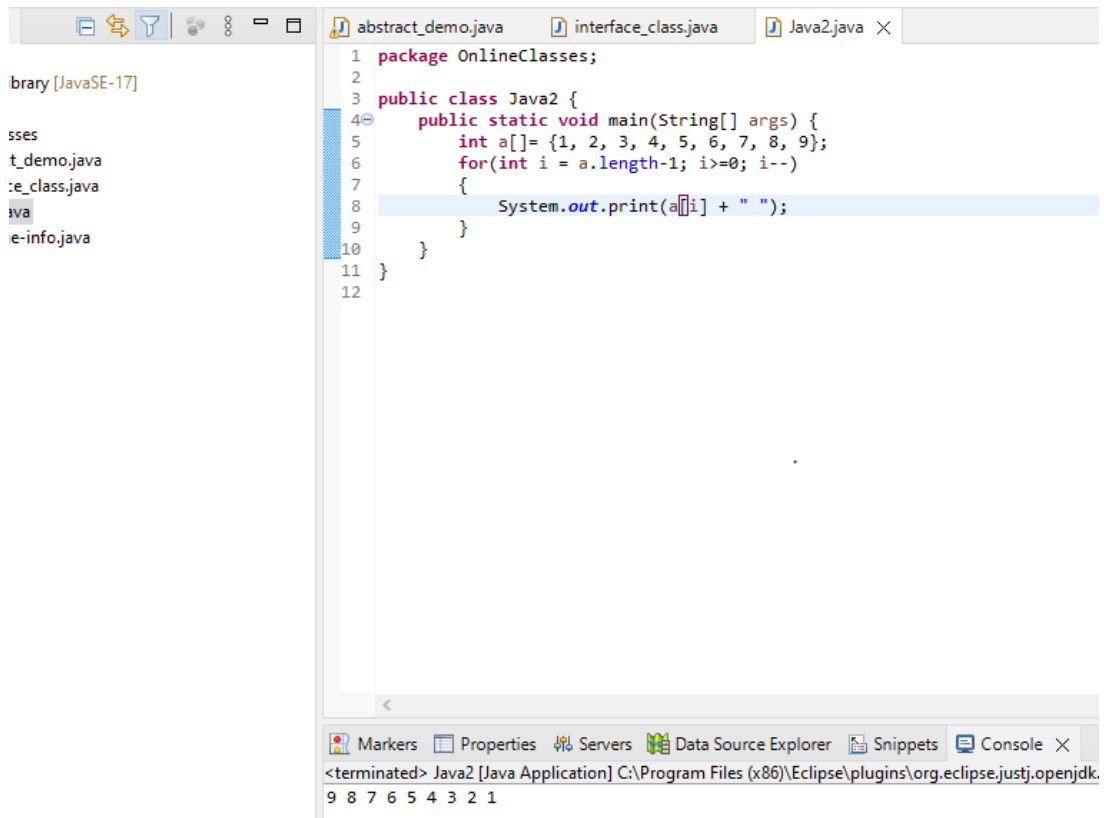
1.



```
1 package OnlineClasses;
2
3 public class Java2 {
4     public static void main(String[] args) {
5         int a[] = {1, 2, 3, 4, 5, 6, 7, 8, 9};
6         for(int k:a)
7         {
8             System.out.print(k + " ");
9         }
10    }
11 }
12
```

Console output: 1 2 3 4 5 6 7 8 9

2.



```
1 package OnlineClasses;
2
3 public class Java2 {
4     public static void main(String[] args) {
5         int a[] = {1, 2, 3, 4, 5, 6, 7, 8, 9};
6         for(int i = a.length-1; i>=0; i--)
7         {
8             System.out.print(a[i] + " ");
9         }
10    }
11 }
12
```

Console output: 9 8 7 6 5 4 3 2 1

3. <

```

1 package OnlineClasses;
2 // Works for multiple duplicate elements
3 public class Java2 {
4     public static void main(String[] args) {
5         int arr[] = {1, 2, 3, 1, 5, 2, 1, 8, 9, 2, 5, 2, 5};
6         int n = arr.length;
7
8         for (int i = 0; i < n-1; i++){
9             for (int j = 0; j < n-i-1; j++){
10                 if (arr[j] > arr[j+1]){
11                     int temp = arr[j+1];
12                     arr[j+1] = arr[j];
13                     arr[j] = temp;
14                 }
15             }
16         }
17         System.out.println("Sorted array: " + java.util.Arrays.toString(arr));
18         int c = 0, i=0;
19         while(i < (n-1)){
20             while(arr[i] == arr[i+1]){
21                 c++;
22                 i++;
23             }
24             if(c >= 1){
25                 System.out.println(arr[i]);
26                 c = 0;
27             }
28             i++;
29         }
30     }
}

```

Sorted array: [1, 1, 1, 2, 2, 2, 2, 3, 5, 5, 5, 8, 9]

4.

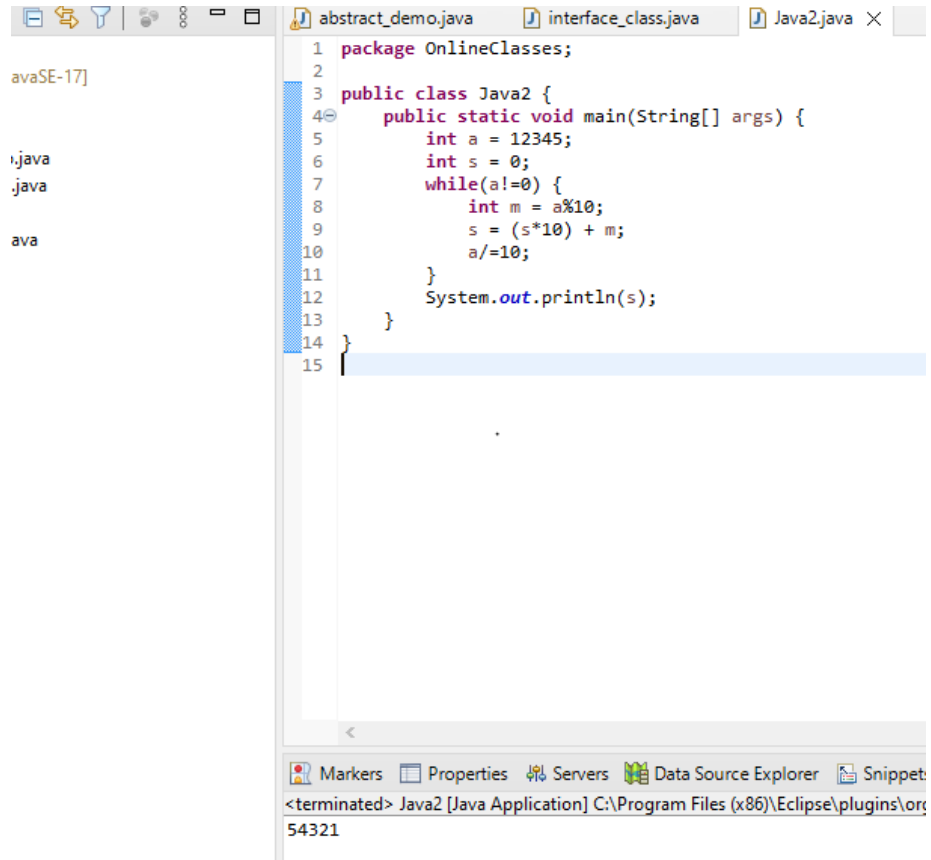
```

1 package OnlineClasses;
2
3 public class Java2 {
4     public static void main(String[] args) {
5         int arr[] = {1, 2, 3, 1, 5, 2, 1, 8, 9};
6         int n = arr.length;
7         for (int i = 0; i < n-1; i++)
8             for (int j = 0; j < n-i-1; j++)
9             {
10                 if (arr[j] > arr[j+1])
11                 {
12                     int temp = arr[j];
13                     arr[j] = arr[j+1];
14                     arr[j+1] = temp;
15                 }
16             }
17         for(int k:arr) {
18             System.out.print(k + " ");
19         }
20     }
21 }
22

```

1 1 1 2 2 3 5 8 9

5.



The screenshot shows the Eclipse IDE interface. The top toolbar includes icons for file operations and running. The left sidebar shows a project named 'avaSE-17' with a package 'ava' containing two files: 'i.java' and '.java'. The main editor window displays the code for 'Java2.java'.

```
1 package OnlineClasses;
2
3 public class Java2 {
4     public static void main(String[] args) {
5         int a = 12345;
6         int s = 0;
7         while(a!=0) {
8             int m = a%10;
9             s = (s*10) + m;
10            a/=10;
11        }
12        System.out.println(s);
13    }
14 }
15
```

The bottom status bar shows the following information: <terminated> Java2 [Java Application] C:\Program Files (x86)\Eclipse\plugins\org...