

## **ASSIGNMENT ARRAY**

Q.1 What do you mean by an Array?

Ans. Array is a collection of similar types of data. The memory allocated to the elements of the array is contiguous. The elements of the array are accessed through index.

Declaration of array:-

```
int[] arrName = new int[sizeOfArray];
```

Ex.

```
int[] marks = new int[3];  
marks[0]=95;  
marks[1]=70;  
marks[2]=40;
```

Q.2 How to create an Array?

Ans. There are 2 ways to create an array:-

- The array is initialised at the time declaration.  

```
int[] arr = {4,5,1,2};
```
- The array is initialised later on after declaration.  

```
int[] arr1 = new int[3];  
arr1[0] = 5;  
arr1[1] = 4;  
arr1[2] = 8;
```

Q.3 Can we change the size of the array at run time?

Ans. No, we can not change the size of the array at run time.

Q.4 Can you declare an array without assigning the size of an array?

Ans. No

Q.5 What is the default value of an array?

Ans. The default value in an array depends upon the data type of type.

int - 0

boolean -false

String - null

Q.6 What is an 1-D array with an example?

Ans. 1-D array is the array in which there are N-columns and only 1-row.

Syntax:-

```
int[] arr = new int[4];
```

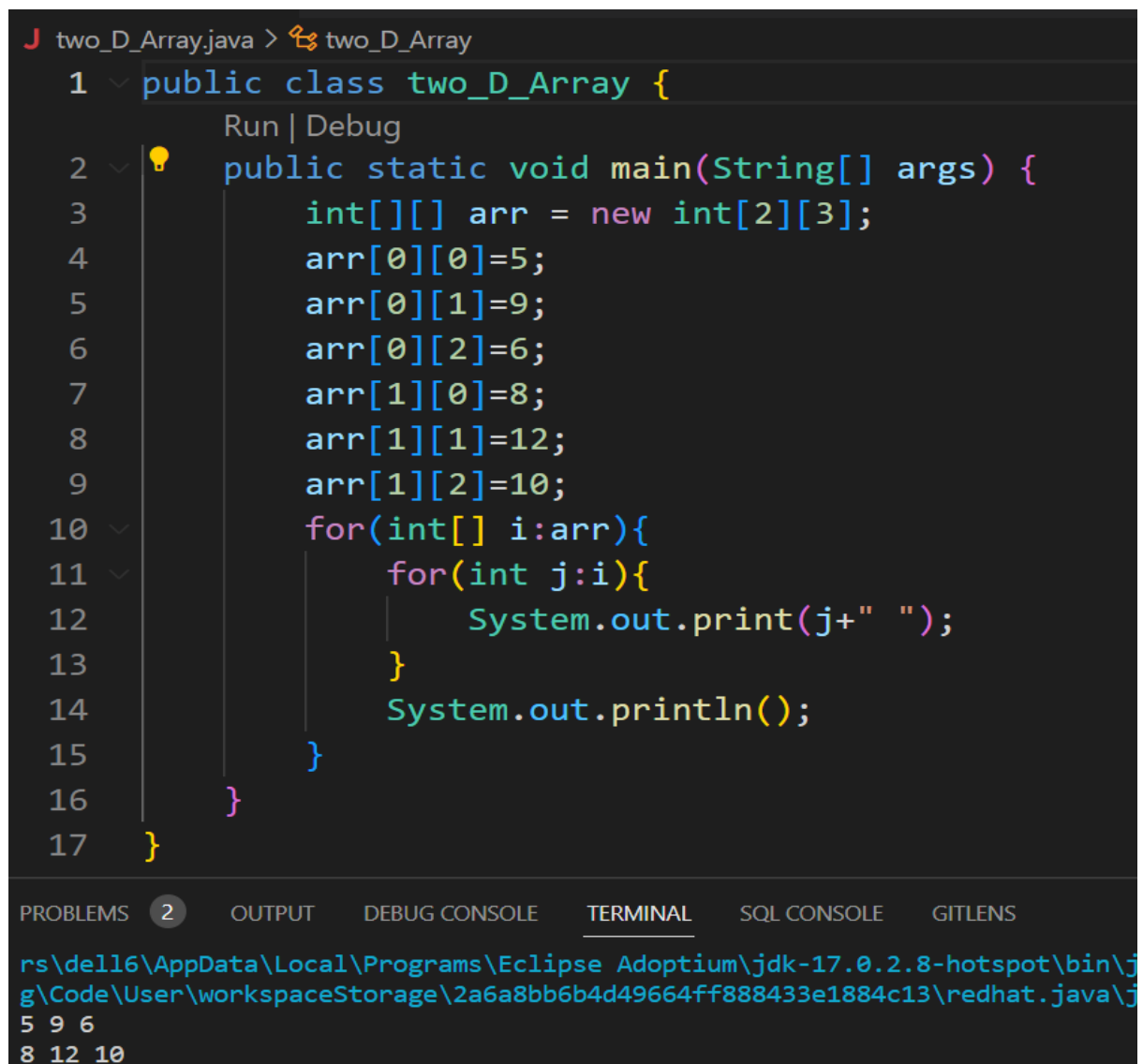
// accessing elements in 1-D array

Ex.

```
int[] age = {20,44,34,91};
for(int i=0;i<age.length;i++){
    System.out.println(age[i]);
}
```

Q.7 Write a program on a 2-D array.

Ans.



```
two_D_Array.java > two_D_Array
1 public class two_D_Array {
    Run | Debug
2     public static void main(String[] args) {
3         int[][] arr = new int[2][3];
4         arr[0][0]=5;
5         arr[0][1]=9;
6         arr[0][2]=6;
7         arr[1][0]=8;
8         arr[1][1]=12;
9         arr[1][2]=10;
10        for(int[] i:arr){
11            for(int j:i){
12                System.out.print(j+" ");
13            }
14            System.out.println();
15        }
16    }
17 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL SQL CONSOLE GIT LENS

rs\del16\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.2.8-hotspot\bin\j  
g\Code\User\workspaceStorage\2a6a8bb6b4d49664ff888433e1884c13\redhat.java\j  
5 9 6  
8 12 10