

# 1 Feb 2023 Array Assignment

Que. 1. What do you mean by an Array?

Ans. Arrays in Java are non-primitive data types that store elements of a similar data type in the memory.

Que. 2. How to create an Array?

Ans. Syntax to Declare an Array :

```
dataType[] arr = { // values } (or)
```

```
dataType []arr = { // values } (or)
```

```
dataType arr[] = { //values }
```

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

Ans. No we cannot change the size of an array at run time.

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

Ans. Yes. We can declare an array without size but before using it needs to be initialized.

Que. 5. What is the default value of Array?

Ans. Default value of Array in java is 0.

Que. 6. What is a 1D array with an example?

Ans. A One-Dimensional Array is the simplest form of an Array in which the elements are stored linearly and can be accessed individually by specifying the index value of each element stored in the array.

Ex. `int a [] = new int [3];`

```
a[0] = 2;
```

```
a[1] = 4;
```

```
a[2] = 6;
```

```
System.out.println(a[2]);
```

Que. 7. Write a program on a 2D array?

Ans. 

```
public class PW_Skills {  
    public static void main(String[] args)  
    {  
        int[][] arr = new int[10][20];  
        arr[0][0] = 1;  
        System.out.println("arr[0][0] = " + arr[0][0]);  
    }  
}
```