

# Assignment - 10

## Arrays In Java(Assignment - 2)

### 1. What is the default value of Array for different datatypes?

Ans: The default value of Array for different datatypes are:

for int datatypes the default value of array is **0**.

for String datatypes the default value of array is **null**.

for double datatypes the default values of array is **0.0**

### 2. Can you pass the negative number in Array size?

Ans: No, you can not pass the negative number in Array size because the size of the array cannot be negative. Also the dimension can not be negative.

### 3. Where does Array store in JVM memory?

Ans: The Array elements are stored in **Heap Memory** in a sequential memory locations. And the reference variable given to the array is stored in **Stack Memory**.

### 4. What are the disadvantages of Arrays?

Ans: Disadvantages of Arrays are:

a). Once you declared and initialised the Array you cannot change the size of the array.

b). The Arrays can only store only a homogenous data element. It mean the Array of type

**int** can only store only integer elements and if we enter the elements of other datatype it will show errors.

### 5. What is an Anonymous Array in Java? Give an example.

Ans: An Array without a name is called Anonymous Array, this type of Array can be created just for instance use.

ex: `new int[]{1, 2, 3, 5, 7}`

### 6. What are the different ways to Traverse in an Array?]

Ans: The different ways to traverse in an Arrays are:

a). Using loops

b). Using For-each(Enhanced For Loop)

c). Using index value to access a particular element.

### 7. What is the difference between length and length() method? Give an example.

Ans: **length** - it is a property of Array type class. Through this you can get the length of the Array.

ex: `int [] arr = {1,2,3,4,5};`

`System.out.println(arr.length);`

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**length** - it the method of a String class. As String is not a primitive datatype the String class has a method **length()** through which you can calculate the length of the String.

ex: `String name = "Anurag";`

`System.out.println(name.length());`

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