

## **Day-12 Assignment Question**

### **Question 1. What do you mean by an Array?**

Answer – It refers to collection of similar type of data element in a single variable which improves the readability of the program.

### **Question 2. How to create an Array?**

Answer – Every array in java is object hence we create array using a new operator.

Example – `int[ ] a = new int[5];`

### **Question 3. Can we change the size of an array at run time?**

Answer- No we can't change the size of the array after it's constructed.

### **Question 4. Can you declare an array without assigning the size of an array?**

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

### **Question 5. What is the default value of Array?**

Answer- When an array is created without assigning it any elements, compiler assigns them the default value.

Example –

Boolean – false

Int – 0

Double – 0.0

Object – null

### **Question 6. what is a 1D array with an example?**

Answer – 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 element stored in the array.

Example –

```
int [ ]a = new int[5];
```

```
a[0] = 3;
```

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