Week 2 Task 1

1) On which memory arrays are created in Java?

Arrays are created on dynamic memory by JVM. There is no question of static memory in Java everything (variable, array, object, etc.) is created on dynamic memory only.

2) Can we call the main() method of a class from another class?

Yes! We can call the main() method of a class from another class using Classname.main(). At the time of calling the main() method, we should pass a string type array to it.

### 3) What is an array in Java?

An array is a finite and ordered collection of homogeneous data elements. It is finite because it contains a limited number of elements. It is ordered because all the elements are stored one by one in a contiguous location of computer memory (heap) in a linear fashion. It is homogeneous because all elements of an array are of the same data type only. We can store either primitive types or object references into it.

### 4) What are the types of an array?

Arrays are generally categorized into two parts as described below:

* Single Dimensional Array
* Multi-Dimensional Array (2D and 3D arrays)

### 5) Is it possible to declare array size as negative?

No, it is not possible to declare array size as negative. Still, if we declare the negative size, there will be no compile-time error. But we get the NegativeArraySizeException at run-time.