Pg. 211-212 , Java Programming *A comprehensive Introduction*

**Define**

Procedural Programming vs Object Orientated Programming explain the difference.

Procedural programming is a programming paradigm, derived from structured programming, based upon the concept of the procedure call.

Object-oriented programming (OOP) is a programming language model organized around "objects" rather than "actions" and data rather than logic.

Object- An object can be a variable, a data structure, or a function. In the class-based object-oriented programming paradigm, "object" refers to a particular instance of a class where the object can be a combination of variables, functions, and data structures.

Object orientated programming- Object-oriented programming (OOP) is a programming language model organized around "objects" rather than "actions" and data rather than logic.

**Programming Assignments:**

Task 1- Page 252, #20 Java Programming *A comprehensive Introduction*

Modified

Implement a class **Arrayplus1()** that takes an integer array **data** and an **int x** as its size. Create a method inside the class **Arrayplus1()**

that creates a new array whose length is one greater than **data’s** length.

Then create a method to copy all data’s elements into the new array and add the value of x into the last element of the array. (Search for java methods for copying Arrays)

Create a **printall()**  method to return all the integers in the new array**.**

Attach Snipping Photos of source code and output.

