* 1. Name the differences between imperative and functional programming.

Answer:   
1. Imperative programming relies more on mutable states which are often updated throughout the program to achieve the program goal whiles Functional programming makes use of immutable data and pure functions which does not cause any side effects.

2. Functional programming support parallelism better than Imperative programming because no side effects are created when program is running.

3. In Functional programming, you focus more on the **WHAT** to do it but in Imperative programming you focus more on the **HOW** to do.

* 1. Explain the meaning of declarative programming. Give an example.

Answer:

In declarative programming, developers are made to describe what they want to do in order to achieve a goal as opposed to writing step by step details for a program.

* 1. Name the benefits of including functional style programming in Java.

Answer:  
1. Code is simple to understand and it’s self-documented.  
2. Functional programming reduces the number of lines of code to achieve simple tasks.  
3. It make the use parallelism easy in java.