**Tutorial -1 and 2**

Question:

1. Define the imperative programming paradigm
2. Compare imperative programming paradigm with functional programming paradigm.
3. List the programming languages support functional concepts.
4. Examine any **FIVE (5)** similarities and/ or differences between functional and imperative programming paradigm.
5. Examine how the functional programming paradigm may be deployed in a programming` language that is fundamentally non-functional in nature. Provide suitable examples to substantiate your answer.
6. Consider the following Java code.

import java.util.\*;

public class Finder {

public static void main(String[] args) {

List<String> names =

Arrays.asList("Dory", "Gill", "Bruce", "Nemo");

findNemo(names);

}

public static void findNemo(List<String> names) {

boolean found = false;

for(String name : names) {

if(name.equals("Nemo")) {

found = true;

break;

}

}

if(found)

System.out.println("Found Nemo");

else

System.out.println("Sorry, Nemo not found");

}

}

Identify the programming style adopted in the above. Discuss how is this programming style used comparatively with declarative/functional programming style. In the discussion, the programming styles should be compared along with programming code, respectively, in Java for the same problem.