Assignment 4

1] What is Programming language?

A] A $language which is easily converted into machine level language i.e binary form is called programming language. They generally execute a set of code to obtain a program. They are generally languages to communicate with the machine

2] Why do we need a programming language?

A] We generally need a programming language in order to communicate with the machine and execute programs that we like.

3] features of Java?

A] → Portability
→ Platform independent
→ Object Oriented
→ distributed

4] What is an object?

A] It is an entity in which it's characterstics and its functions are mentioned

5] What is class?

A] Class is collection of objects with similar characterstics

6] Explain about the main method in Java?

A] In Java, JVM first checks the main method and it starts with main() method in order to execute a program or code If there's no main() in a code, the JVM (Java Virtual machine) gives an error as it can't start with main method

Let us observe the main method syntax

```java
class HelloWorld
{
    public static void main (String[] args)
    {
        System.out.Println("Manish is a good developer");
    }
}
```

public ① — It is for visibility so that JVM can detect the main method even after being under a class

② static :- Without creating an object we can use the main method

③ void :- As nothing is getting returned we use void

④ main :- The ~~function~~ JVM starts from main method

⑤ String [] args :- They are just command line data that we pass in a terminal (or) command prompt