Fundamentals of Java

Assignment Questions-3

1. What is Programming language?

Ans: A programming language is a type of written language that tells computers what to do.

Examples are:

Python, Ruby, Java, JavaScript, C, C++, and C#.

Programming languages are used to write all computer programs and computer software.

2.Why do we need a programming language ?

Ans: As we know that if you need to communicate with you need a specific language to communicate.

For example, if you need to communicate with two persons, one person knows Hindi and the other person knows Telugu in this case you need to identify the common language between them to communicate with each other. At that time you hear to know that both of them can able to understand and speak in English. So that you can communicate with them by using the English language.

Similarly, some specific languages are needed to communicate with computers, and those languages are called programming languages.

A programming language is a set of instructions written in a specific language to perform a specific task. It is mainly used to develop desktop applications, operating systems, websites, mobile applications, etc.

3.What are the features of Java ?

Ans: **Following are the outstanding features of Java:**

- Object Oriented. In Java, everything is an Object. ...
- Platform Independent. ...
- Simple. ...
- Secure. ...

- Architecture-neutral. ...
- Portable. ...
- Robust. ...
- Multithreaded.

4.What is an Object ?

Ans: In object-oriented programming (OOP), objects are **the things you think about first in designing a**

    program and they are also the units of code that are eventually derived from the process.

5.What is Class ?

Ans: Everything in Java is associated with classes and objects, along with its attributes and methods. For

    example: in real life, a car is an object. The car has attributes, such as weight and color, and methods,

    such as drive and brake. **A Class is like an object constructor, or a "blueprint" for creatig**

    objects.

6.Explain about the main() method in java ?

Ans: main(): It is **a default signature which is predefined in the JVM**. It is called by JVM to execute a

    program line by line and end the execution after completion of this method. We can also overload the

    main() method. String args[].

        The main() method also accepts some data from the user.