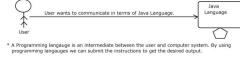


Name of the Module : J2EE (Java Standard Edition)  
Duration/Session : 100 Sessions (6 Months) [60% Client Work & 40% Java Work]  
Sunday Classes : Online Sunday Classes (9 - 10 sessions) [Helping Topics Of Common Incls]  
Java Version : 1.8+ Java API  
Lab Environment : Online Environment for the Assignments (MCQs + Simple coding + Scenario based)  
Video Of Test : 1 hour [11AM]  
Lab compulsory : Without Lab, Permission is not for Core Java Classes  
After course : 3+ years developer knowledge  
Notes : Google Class Room

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What is a Language ?  
A language is a communication media through which we can communicate with each other.

What is a Programming Language ?



A programming language is an intermediate between the user and computer system. By using programming languages we can submit the instructions to get the desired output.

Characteristics of the programming language :

a) Syntax (Rules given by that particular language)

b) Semantics (Meaning or Structure given by that particular language)

Compiler Translation :

Syntax (Subject + Verb + Object)

He is a boy . Java will

1) At source level :

Here our Java compiler will only verify whether the programme is following the syntax or not. It checks for the correct use of symbols, use of variables, etc.

2) At compilation level :

Here our runtime environment will verify whether the code is meaningful OR meaning less. If the code is meaning less then it will generate a Runtime error.

So the compiler checks the syntax and the runtime environment checks the meaning of the code.

What is Java ?

Java is a high level, Platform independent, secure, robust (String), multithreaded and object oriented programming language.

Java was originally developed by Sun Microsystems in 1995 but the first version of java i.e. JDK 1.0 was released in 1996 and the final version 1.0 was released in 1996.

In the year 2006, Java was acquired by Oracle Corporation.

By using java language, we can develop various applications like

a) Standalone application [Desktop Or Software]

b) Web based application

c) Enterprise application

d) Mobile application

e) Distributed application