

Fundamentals of Java Assignment

1. What is a programming language?

Ans: Programming language is a type of language which is used to teach the computer or a machine how to achieve a given task and write code of application or program. It is a system made up of symbols and English-like word commands with a set of grammatical rules for instructing to perform some specific tasks.

Example: Python, Java, COBAL, etc

2. Why do we need a programming language?

Ans: To build a program or an application there is a need of a set instructions to perform a specific task. So, to represent it and write codes with some rules in a specific manner, we need a programming language from which machine would understand the human

3. What are the features of java?

Ans: There are the following feature of JAVA, as:

- Simple
- Object-oriented programming language
- Portable
- Platform independent
- Secured
- Architecture neutral (WORA- Write Once Run Anywhere)
- Robust language
- Interpreted
- High Performance
- Distributed
- Dynamic

4. What is an Object?

Ans: Object: An object is an entity or an instance of a class which have an identity, state, and behaviour and also demonstrates real-world entity.

5. What is a class?

Ans: Class: A class is a group of objects which have common properties or a blueprint of which objects are created.

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

Ans: Main () method in JAVA:

Main method is an entry point to start the execution of a program. It is a compulsory part of the java code. This entry point of the compiler where the execution actually starts. It is called or invoked by the JVM/Java Virtual Machine.

Every Java application has at least one class and at least one main method. Normally, an application consists of many classes and only one of the class needs to have a main method.