day-006-fundamentals-of-java

1. What is Programming language?

A programming language is a system of notation for writing computer programs. Most programming languages are text-based formal languages, but they may also be graphical. They are a kind of computer language.

2. Why do we need a programming language?

The major need for the programming language is to communicate with the computers and also the programming languages are used to develop an application for performing a specific task, automating things, etc.

3. What are the features of Java?

- Simple
- Object-Oriented
- Portable
- Platform independent
- Secured
- Robust
- Architecture neutral
- Interpreted
- High Performance
- Multithreaded
- Distributed
- Dynamic

4. What is an Object?

In computer science, an object can be a variable, a data structure, a function, or a method. As regions of memory, they contain value and are referenced by identifiers. Each object is an instance of a particular class or subclass with the class's own methods or procedures and data variables.

5. What is a class?

In object-oriented programming, a class is an extensible program-code-template for creating objects, providing initial values for state and implementations of behavior.

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

The Java main method is usually the first method you learn about when you start programming in Java because its the entry point for executing a Java program. The main method can contain code to execute or call other methods, and it can be placed in any class that's part of a program.