**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.