What are oops concepts? Is multiple inheritance supported in java

ANS: **OOPs (Object-Oriented Programming)** is a programming paradigm based on the concept of “**objects**,” which contain **data** (fields) and **code** (methods).

**Core Concepts of OOPs:**

1. **Class**  
   Blueprint for creating objects.

**It is used to store multiple methods, variables etc**

1. **Object**  
   Instance of a class.
2. **Encapsulation**  
   Wrapping data and methods into a single unit (class).  
   Access is controlled using access modifiers (private, public, etc).
3. **Inheritance**  
   One class (child) can **inherit** properties and methods from another (parent).
4. **Polymorphism**  
   Ability to take many forms — same method name behaves differently based on context.
   * **Compile-time (method overloading)**
   * **Run-time (method overriding)**
5. **Abstraction**  
   Hiding complex details and showing only essential features.  
   Done using **abstract classes** or **interfaces**.

**Is Multiple Inheritance Supported in Java?**

**No**, **Java does not support multiple inheritance with classes** directly.

A class **cannot** inherit from **more than one class**.