**Abstractions**

* Abstraction in Java is a fundamental concept of Object-Oriented Programming (OOP) that **hides complex implementation details** and **shows only essential features.**
* It can be achieved through **abstract classes and interfaces**.

**Abstract Classes (incomplete)**

An abstract class is a class that **cannot be instantiated** and may contain abstract methods.

**Abstract**

* In Java **Abstract is the keyword.**
* Remember, abstract can be a **class or methods both**.
* We are hiding - important features.
  + **show the essentials.**
  + e.g Car - Steering, Clutch, brake , race is shown to you.
    - But engine, Tyres, gear management others things are hidden from the user.
* If class have any one method is abstract then, we need to define that class as abstract
* Abstract class may or may not contain abstract methods   
  we can also define class as abstract if there is no abstract method
* The **class which inherits from the abstract class** must implement all the abstract methods declared in the parent abstract class.

