**Explain the concept of abstraction.**

* **Abstraction** in Java is an object-oriented programming concept that involves hiding the complex implementation details of a system and exposing only the essential features or functionality to the user.
* The goal of abstraction is to reduce complexity and allow the programmer to focus on interactions at a higher level.
* **Abstract class:** An abstract class in Java is a class that cannot be instantiated directly. It may contain abstract methods
* **Interface:** An interface is a reference type in Java, similar to a class, that can contain only abstract methods