**Question 1 -**Understand how Mocking can enhance Test-Driven Development (TDD).

**Answer** -> **Mocking** allows us to **simulate external dependencies in the test driven development.**

**It lets us test a single unit without interferance of any other part of system.**

****Question 2 -****Explain the meaning of Mocking in Unit Testing and why use mocks in Unit Testing.

**Answer** -> **Mocking** is the method used to simlate **dependencies** to test a unit of code independently.

Mock can be used-

* To isolate the **unit under test** from other units of same system.
* To **simulate error scenarios** and test failure handling.

**Question 3 -**Understand the basics of DI (Dependency Injection) and how dependency injection helps unit testing in applications

**Answer** -> DI is a **design principle** where an object receives its dependencies from the **outside** instead of creating them internally.

It helps in Unit Testing as it-

* Allows **injection of mock objects** during tests.
* Supports **test-first** development as you can test components **independently of each other.**