**Ashutosh Dash  
Superset ID – 6365404**

**Understanding ORM with a Retail Inventory System**

ORM (Object-Relational Mapping) is a programming technique that allows developers to interact with a relational database using the object-oriented paradigm of their programming language, instead of writing raw SQL queries.

In C#, popular ORM frameworks include Entity Framework (EF) and Dapper.

How ORM Maps C# Classes to Tables:

Class → Table

Property → Column

[Key] → Primary Key

[ForeignKey] → Foreign Key

Navigation Properties → Relationships

Benefits:

Productivity: Write less code, use LINQ.

Maintainability: Easy to update models.

Abstraction: No need to write SQL manually.