# RAJESH A

SuperSet\_Id: 6384182

# WEEK-3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Lab 1 - ORM and EF Core Basics

## Objective

To understand the concept of ORM and how Entity Framework Core simplifies database operations using C# and SQLite.

## Introduction to ORM

ORM (Object-Relational Mapping) allows developers to interact with the database using C# classes instead of writing raw SQL queries. This boosts productivity, maintainability, and security.

## Benefits of ORM

- Easy to maintain  
- Reduces boilerplate SQL  
- Compatible with LINQ and async  
- Cleaner and safer code

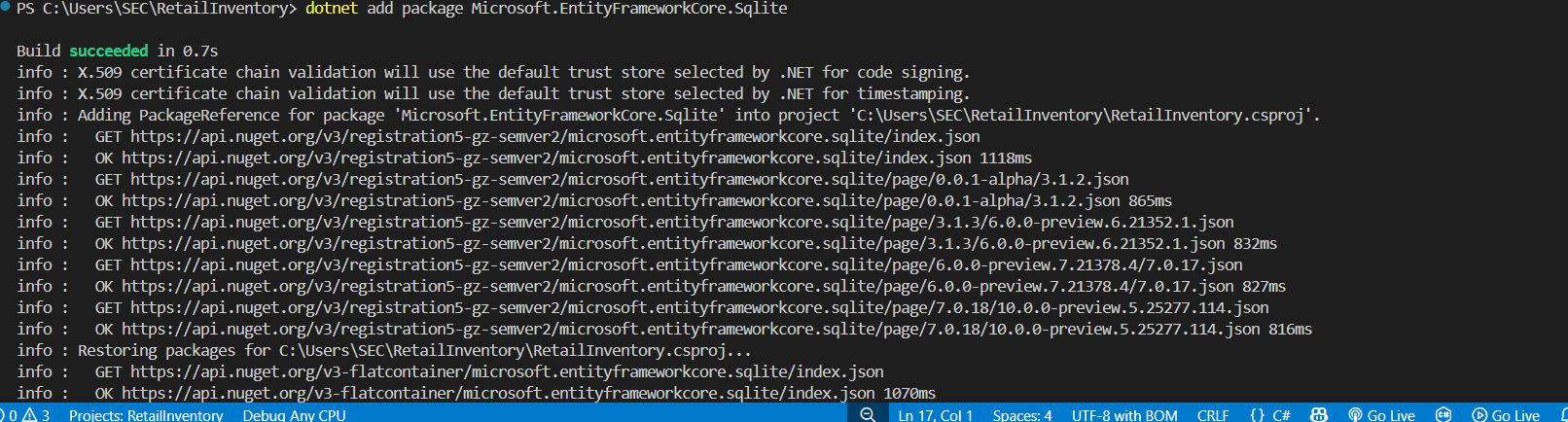
## Setting Up Console App

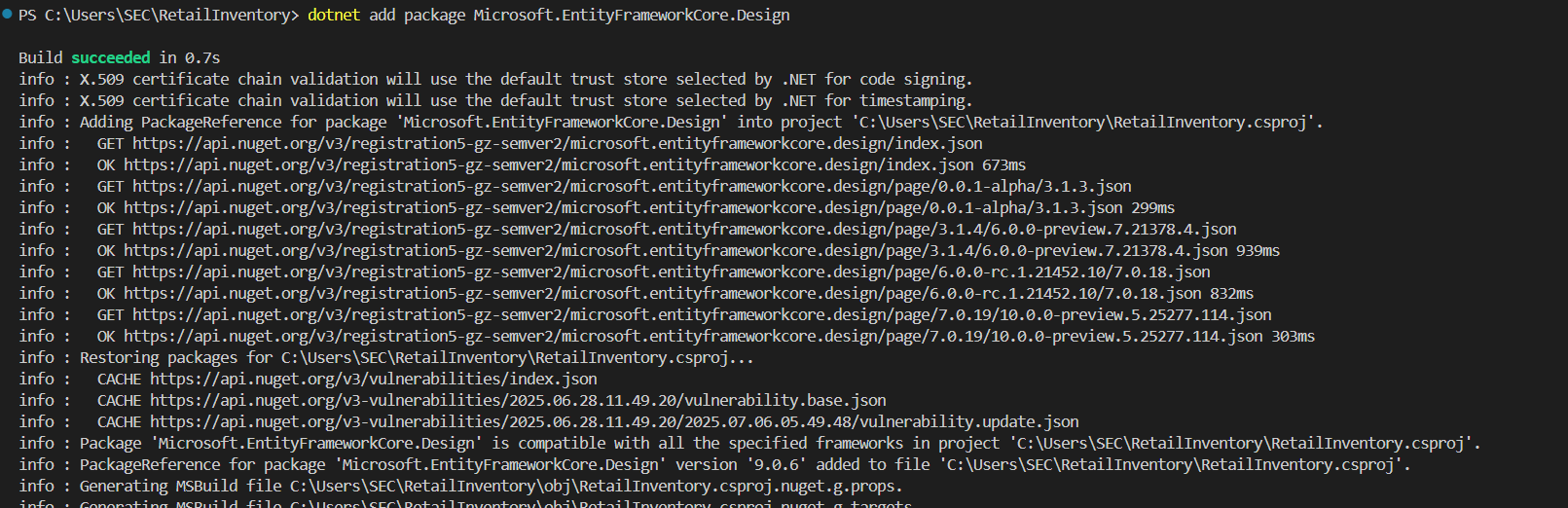
dotnet new console -n RetailInventory  
cd RetailInventory

## Installing EF Core and SQLite

dotnet add package Microsoft.EntityFrameworkCore.Sqlite  
dotnet add package Microsoft.EntityFrameworkCore.Design

## Screenshots:





\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thank you