1. Connecting Django to a database (SQLite or MySQL).

Ans. . Using the Default SQLite Database

Django automatically configures SQLite as the default database.

A. Default Database Configuration (settings.py)

Django’s default settings.py contains:

B. Running Migrations

After setting up the database, apply migrations to create necessary tables:

C. Creating a Superuser (For Admin Panel)

2. Connecting Django to MySQL

A. Install MySQL Client for Django

Install mysqlclient package:

B. Create a MySQL Database

In MySQL, create a database:

C. Configure MySQL in settings.py

Replace the default SQLite settings with:

D. Apply Migrations

3. Verifying the Connection

Run the Django shell:

1. Using the Django ORM for database queries.

Ans. Django's **Object-Relational Mapping (ORM)** allows developers to interact with the database using **Python code instead of SQL queries**. This makes database operations more intuitive and efficient.