Install and Connect MySQL with Django - Step by Step

Step 1: Install MySQL Server

Windows/Mac:

- Download MySQL Installer: https://dev.mysql.com/downloads/installer/

Linux (Ubuntu/Debian):

$ sudo apt update

$ sudo apt install mysql-server

To confirm it's working:

$ mysql -u root -p

Step 2: Install MySQL Client for Django

Preferred (mysqlclient):

$ pip install mysqlclient

If mysqlclient fails (especially on Windows), use PyMySQL:

$ pip install pymysql

Then add to mysite/__init__.py:

import pymysql

pymysql.install_as_MySQLdb()

Step 3: Configure MySQL in Django settings.py

Edit your settings.py:

DATABASES = {

```
    'default': {

        'ENGINE': 'django.db.backends.mysql',

        'NAME': 'your_db_name',

        'USER': 'your_mysql_user',

        'PASSWORD': 'your_password',

        'HOST': 'localhost',

        'PORT': '3306',

    }

}
```

Create the database in MySQL:

mysql> CREATE DATABASE your_db_name CHARACTER SET UTF8MB4;

Step 4: Apply Django Migrations

Run this to create necessary tables in MySQL:

$ python manage.py migrate

Check tables:

mysql> USE your_db_name;

mysql> SHOW TABLES;