

Create Django project and communicating with database

Step 1: Create project name : **Model_Project**

Step 2: Create application name : **Model_App**

File --->> New Project --->> Django Project --->>
give **ProjectName** and **application** names properly.

Step 3: Create the database name : 8pm_model_db

```
mysql> create database 8pm_model_db
```

Step 4: Open settings.py file

1. Go to Installed_App section , add our appName inside Installed_App section
2. Go to database section and configure the database details

Step 5: Open the __init__.py file in side project level folder, write bellow code in every project if require.

```
import pymysql
pymysql.install_as_MySQLdb()
```

Step 6: Open the models.py file and create the user models

Step 7: Execute the makemigrations command to get the SQL code from ORM(models)

```
cmd> python manage.py makemigrations
```

Step 8: Execute the migrate command to get the SQL code from migrations file and create the tables in database.

```
cmd> python manage.py migrate
```

Now django create 10 default tables and model related tables inside database.

Step 9: Now open mysql and see tables like bellow.

Step 10: To select current database

```
mysql> use 8pm_model_db;
```

Step 11: To see available tables

```
mysql> show tables;
```

Step 12: To see specific table data

```
mysql> select * from model_app_employee;
```

Step 13: To see description about specific table

```
mysql> desc model_app_employee;
```