**Database connection between Django and MySQL**

Step 1: Create Database in MySQL

**create database database\_name;**

Step 2: Configure database parameter in setting.py

**DATABASES = {  
 'default': {  
 'ENGINE': 'django.db.backends.mysql',  
 'NAME': 'TCS\_Client',  
 'USER': 'root',  
 'PASSWORD': 'Mayuri@94',  
 'HOST': 127.0.0.1,  
 'PORT': 8000  
 }  
}**

Step3: Create models in models.py at application level

**from django.db import models  
  
# Create your models here.  
class TableName(models.Model):  
 field1: models.IntegerField(primary\_key=True)  
 field2: models.CharField(max\_length=30,null=True)  
 field3: models.CharField(max\_length=20,null=True)**

Steps 4: makemigration –convert python to sql

If mysqlclient is not install then show error,

So, install

>**pip install mysqlclient**

**python manage.py makemigrations**

Step 5: migrate –apply sql on database

**Python manage.py migrate**

**To check the sql query in cmd promt**

**python manage.py sqlmigrate AppName Filename**

**To see the table in admin panel**

Register in admin.py

**from django.contrib import admin  
from .models import TableName  
  
# Register your models here.  
class AppAdmin(admin.ModelAdmin):  
 list\_display = ['field1', 'field2', 'field3']  
  
admin.site.register(TableName, AppAdmin)**

**Create user to login in admin panel**

**python manage.py createsuperuser**

**To run server**

**python manage.py runserver**