Models

Model Class

- Model is a python class to represent database table
- Model class is defined to create and manage database table
- Once you define a Model Class then you need to perform two important steps
    - Makemigrations (Making SQL code with the help of model class)
    - Migrate (Execute SQL code to create table in the database)

Sample program to illustrate how to use model concept to access database

- Steps to perform
    - Create Project
    - Create App
    - Create template directory
    - Create static directory
    - Update Settings.py
    - Define models
    - Generating Database
    - Using admin app
    - Create Views, html, css
    - Set urls
    - Runserver
    - Send request

Define Models

- In testapp.models.py

```
from django.db import models

class Employee(models.Model):
    eno=models.IntegerField()
    ename=models.CharField(max_length=30)
    esal=models.FloatField()
    eaddr=models.CharField(max_length=60)
```

- Your database table will be created after few steps (makemigrations and migrate) with the help of model class Employee.
    - Table Name

    - testapp_employee
- Column names
    - id (auto generated column, acts as PRIMARY KEY)
    - eno
    - ename
    - esal
    - eaddr