

## Initialize Command

```
django-admin startproject <project_name>  
django-admin startapp <app_name>
```

## Migration Command

```
python3 manage.py makemigrations  
python3 manage.py migrate
```

## Run Server

```
python3 manage.py runserver <port_number>
```

### #model

```
from django.db import models  
  
class Todo(models.Model):  
    task = models.CharField(max_length=255)  
    created_at = models.DateTimeField(auto_now_add=True)  
    completed = models.BooleanField(default=False)  
  
    def __str__(self):  
        return self.task
```

## Shell

```
python3 manage.py shell
```

## Some Orm query

Create	<code>new_task = Todo.objects.create(task="Finish Django tutorial")</code>
List	<code>Todo.objects.filter(completed=False)</code>
Single get	<code>Todo.objects.get(id=1)</code>
Filter	<code>Todo.objects.all().filter(completed=True)</code>
Update	<code>task = Todo.objects.get(id=1) task.completed = True task.save()</code>
Delete	<code>task = Todo.objects.get(id=1) task.delete()</code>
Order	<code>Todo.objects.all().order_by('created_at')</code>
Count	<code>Todo.objects.filter(completed=False).count()</code>
Aggregate	<code>task_summary = Todo.objects.aggregate(                                 total_tasks=Count('id'),                                 completed_tasks=Count('id', filter=Q(completed=True)                                 ) )</code>

## Create Superuser

```
python3 manage.py createsuperuser
```