

Project 3:

Interaction with database :-

create new directory 03projectmoe 03projectnaee

- (1) `django-admin startproject commands` // project
- (2) `python manage.py startapp cmds` // app

Commands → `settings.py`
`INSTALLED_APPS`
`'cmds'`

Cmds

Registers `model.py` into `admin.py`

= Creating our first model for SQLite3 =

`python3 manage.py migrate` ←

Cmds → `model.py`

```
from django.db import models
```

```
class CmdsModel (models.Model):
```

```
    text = models.TextField()
```

```
    def __str__(self):  
        return self.text
```

} to remove object name

python3 manage.py makemigrations

cmds

In case you make any
changes to Model
Run this command
App Name every
time

python3 manage.py migrate

python3 manage.py createsuperuser

// to create admin
userid & password

username

Email

password

python3 manage.py runserver

url: 127.0.0.1 : 8000/admin

user: rufakurnesi201

pswd: 1234

= Registering models to admin =

cmds → admin.py

from django.contrib import admin

from models import CmdsModel

admin.site.register(CmdsModel) → class name

Cmds object in admin panel

= create read update and delete from database =

cmds → views.py

```
from django.views.generic import ListView  
from .models import CmdsModel
```

↳ class name

```
class HomePageView (ListView):  
    ↑ template_name = 'home.html'  
    model = CmdsModel
```

(1) create new folders inside commands project i.e templates
create new file home.html

(2) commands → settings.py

TEMPLATES = [

```
{ 'DIRS': [os.path.join(BASE_DIR, 'templates')],  
  }
```

↳ directory name

(3) templates → home.html

(4) commands → urls.py

```
from django.contrib import admin
```

```
from django.urls import path, include
```



```
urlpatterns = [
```

```
    path('admin/', admin.site.urls),
```

```
    path("", include('cmds.urls')),
```

```
]
```

cmds → app
urls → by

(5) create cmds → urls.py file and copy form cmds → urls.py

```
from django.urls import path  
from . import views
```

```
urlpatterns = [
```

```
    path('', views.HomePageView.as_view(), name='home'),
```

```
]
```

~~head.html~~ templates

home.html

<html>

<head>

</head>

<body>

<div class = "container">

<h2> Important Commands to Remember </h2>

{% for c in object_list %}

<input type = "radio" id = "f-option "
name = "selectors ">

<label for = " f-option "> {{ c }} </label>

<div class = "check "> </div>

{% endfor %}

</div>

</body>

</html>

9/p

python manage.py runserver

cmd6

Add

one command

two command

Total commands Run

○ one command

○ two command

admin

user:
pass: