

Django installation and create basic website example.

Open command prompt in windows

then in command prompt type **d:**

and press enter .

and use following commands

To create folder myap (execute the following command)

```
D:\> mkdir myap
```

To go myap folder path (execute the following command)

```
D:\> cd myap
```

To create a virtual environment for your project, open a new command prompt, navigate to the **myap** folder where you want to create your project and then execute the following command:-

```
D:\myap> python -m venv env
```

In the command prompt, ensure your virtual environment is active, and execute the following command:

```
D:\myap> env\Scripts\activate
```

execute the following command to install django.

```
D:\myap> pip install django
```

run the following command - This will create a **my_project** directory in your current directory

```
D:\myap> django-admin startproject my_project
```

then go to **my_project** folder path type following command :-

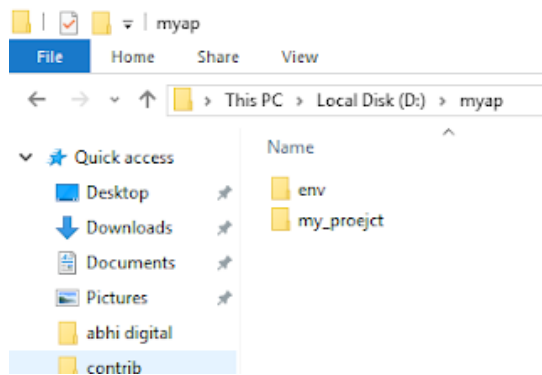
```
D:\myap> cd my_proejct
```

To create your app, make sure you're in the your project directory & type this command:

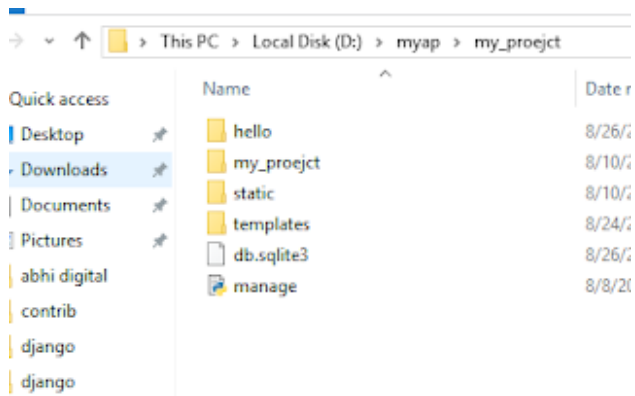
```
D:\myap\my_proejct> python manage.py startapp hello
```

That'll create a directory **hello app folder inside my_project folder**:

after it open your myap folder inside it you will see **my_project** folder



and inside **my_project** folder you will see following structure:-



Now start step by step code for this open your project folder in visual code :-

step 1:-

open you're **my_project** folder with visual studio code and open **settings.py** file and under that at end add **hello** app name as shown below :-

```
# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'hello',
]
```

Step 2:-

now open **urls.py** file of your **my_project** folder & write path for your **hello** app as shown below :-

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

urlpatterns = [
    path('hello/', include('hello.urls')),
    path('admin/', admin.site.urls),
]
```

Step 3:- open **views.py** file of your **hello app** folder and write following functions code :-

```
from django.shortcuts import render
from django.http import HttpResponse

from django.template import loader

def about(request):
```

```
        return render(request, 'about.html')

def index(request):
    return render(request, 'index.html')
```

Step 4:-

Open **urls.py** file of your **hello** app folder and write following path code :-

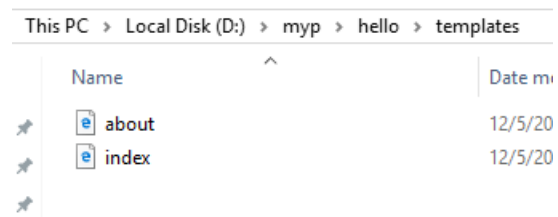
```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name='index'),

    path('about/', views.about, name='about'),
]
```

Step 5:-

create **templates** folder inside your **hello** app folder and create two html files



index.html file :-

```
<h1> this is hom page</h1>
```

About.html file:-

<h1> this is hom page</h1>

Step 6:-

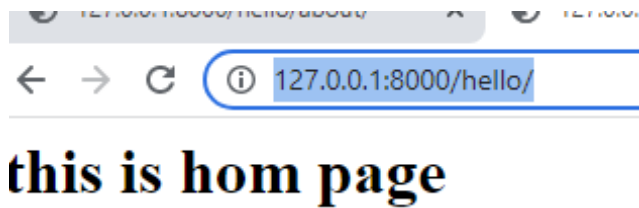
Open your command prompt and run following commands as shown below:-

```
D:\>cd myp
D:\myp>py manage.py runserver
```

step 7:- open your browser and type following :-

<http://127.0.0.1:8000/hello/>

you will see output:-



and to see output of about page type :-

<http://127.0.0.1:8000/hello/about/>

you will see output:-

← → ↻ ⓘ 127.0.0.1:8000/hello/about/

it is about page