Flask

h uses Muc architecture Model view Controller

2, used to build small application. (1 page)

3, Non-Monolithic

4 USES MUT architecture Model view Temphate

2, used to build scalable applications. (mustiple pager)

3, It is Monolithic defined structure of project (we wid to keep the files in some prescribed (Arrocture)

> Standard project directory structure

> By default we will get admin panel. we get multiple detabase Connectors.

> It follows DRY - Don't Repeat yourself.

(base) C:\WINDOWS\system32>conda create -n django_env — Collecting package metadata (current_repodata.json): done Solving environment: done

environment location: C:\Users\KrishnaAleti\anaconda3\envs\django_env

(conda crease - n django-env)

Proceed ([y]/n)? y

Preparing transaction: done Verifying transaction: done Executing transaction: done

To activate this environment, use

To deactivate an active environment, use

(base) C:\WINDOWS\system32>conda activate diango env.

(barrow bib juster gjerdo)

(django_env) C:\WINDOWS\system32>

(Gaise, em.) C. (WillOMON's systems 22-condu activate d'jange, em.)

(Gijange, em.) C. (WillOMON's systems 22-condu activate d'jange)

(Using cached Django 4.0.4-py3-none-any.whl (8.0 MB)

(Collecting djaparse-0.4.2-2

(Using cached sigharse-0.4.2-py3-none-any.whl (24 kB)

(Collecting tazdata-2022.1-py2.py3-none-any.whl (39 MB)

(Collecting sagiref-4,>-3.4.1

(Using cached sigharef-3.5.9-py3-none-any.whl (22 kB)

Installing calceted packages: tidata, sulparse, asgiref, django

Installing collected packages: tidata, sulparse, asgiref, django

Successfully installed asgiref-3.5.9 django-4.0.4 sulparse-0.4.2 tidata-2022.1

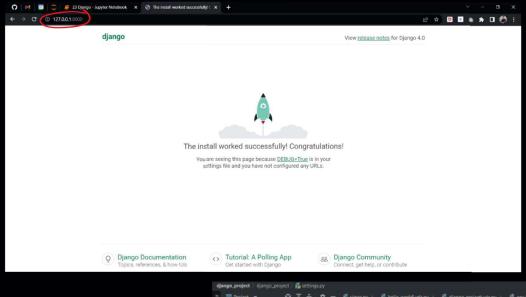
WORNING: Our are using ply puresson 21.1.3, honever, vereion 22.0.4 is available.

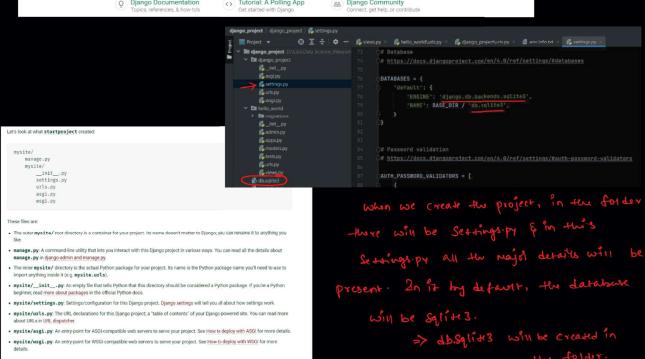
```
project django project

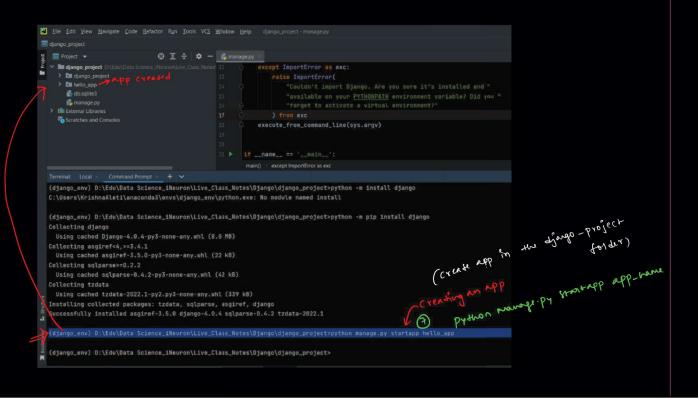
To create a project.

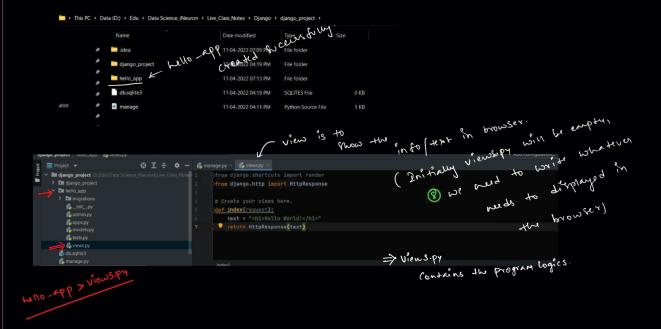
To create a project.

To create a project.
      (env diango) C:\WINDOWS\system32>mkdir project
      (env_django) C:\WINDOWS\system32>cd project
(env_django) C:\Windows\System32\project>dir
Volume in drive C is Windows-SSD
Volume Serial Number is 0CF6-84EF
      django_project _____ project created bytes
                             0 File(s) 0 bytes
3 Dir(s) 161,304,285,184 bytes free
   (env_django) C:\Windows\System32\project>
         (base) C:\Windows\Svstem32\project>D:
          (base) D:\Edu\Data Science iMeuron\Live_Class Notes\Djangosconda create -n dj_env
Collecting package metadata (current_repodata.json): done
Solving environment: done
           environment location: C:\Users\KrishnaAleti\anaconda3\envs\dj_env
            To deactivate an active environment, use
         (base) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django>conda activate dj_env
         (dj_env) D:\Edu\Data Science_iMeuron\Live_Class_Notes\Djangoppython -m pip install django
Requirement already satisfied: django in c:\users\Krishnaaleti\appotat\local\programs\python\python39\lib\site-packages (4.0.4)
Requirement already satisfied: tdata in c:\users\Krishnaaleti\appotat\local\programs\python\python39\lib\site-packages (from django) (2022.1)
Requirement already satisfied: asgiref<4,>-3.4.1 in c:\users\Krishnaaleti\appotat\local\programs\python\python39\lib\site-packages (from django) (3.5.0)
Requirement already satisfied: sqlparse>-0.2.2 in c:\users\Krishnaaleti\appotat\local\programs\python\python39\lib\site-packages (from django) (0.4.2)
MWNINIK: You are using pip version 21.1.3; however, version 22.0.4 is available.
      (dj_env)):\Edu\Data Science_iNeuron\Live_Class_Notes\Django>django-admin startproject django_project
                                                                                                                      project created.
              nv) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django>mkdir
yntax of the command is incorrect.
                                                                                                                                  ⇒ (django-admin startproject project-name)
       (dj_env) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django>dir
Volume in drive D is Data
Volume Serial Number is B49E-AE1F
       Ins will have other forder with ram
                                                                                                        project name will be created.
                                                                                                                                                                                                                              same as projectrame &
    (dj_env) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django>
          (dj_env) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django\django_project>dir
Volume in drive D is Data
Volume Serial Number is B49E-AEIF
                                                                                                                                                                                         14-04-2022 04:14 PM File folde
          11-04-2022 04:13 PM ODRS ...
11-04-2022 04:13 PM ODRS ...
11-04-2022 04:14 PM ODRS ...
11-04-2022 04:14 PM ODRS ...
11-04-2022 04:13 PM ODRS ...
692 manage.py
1 File(s) 945,150,207,392 bytes free
                                                                                                                                                                                            11-04-2022 04:11 PM Python Source File
                                                                                                                                                                                  ron > Live Class Notes > Diango > diango project > diango project
                                                                                                                                             11-04-2022 04:11 PM Python Source File
                                                                                                                                                   asgi asgi
                                                                                                                                                  settings
                                                                                                                                                                                             11-04-2022 04:11 PM Python Source File
                                                                                                                                                  urls
                                                                                                                                                                                             11-04-2022 04:11 PM Python Source File
                                                                                                                 (C) to run the project ( python manage. py runsurver)
           (dj_env) D:\Edu\Data Science_iNeuron\Live_Class_Notes\Django>python manage.py ser
python: can't open file 'D:\Edu\Data Science_iNeuron\Live Class Notes\Django\mana
                                                                                          Enter into the project toolder & then run the server project.
          (dj_env) D:\Edu\Data Science_iMeuron\Live_Class_Notes\Django\
Watching for file changes with StatReloader
Performing system checks...
             April 11, 2022 - 16:19:25 Settings 'django_project.settings' Starting development server at http://l27.0.0.1:8000/
Quit the server with CTRL-BRFAK.
                                                                     Server un1
```







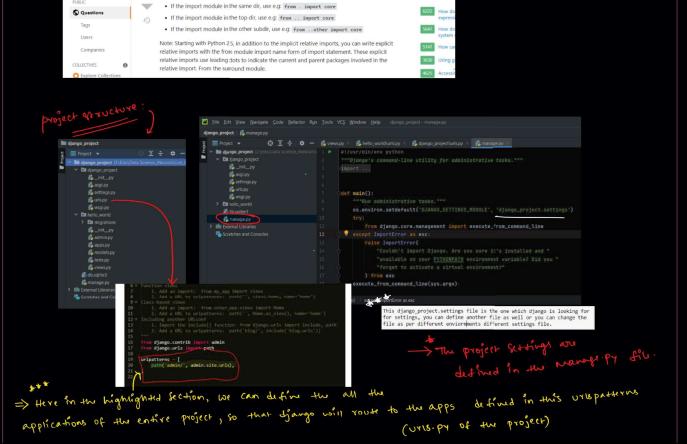


To call the view, we need to map it to a URL - and for this we need a URLconf.

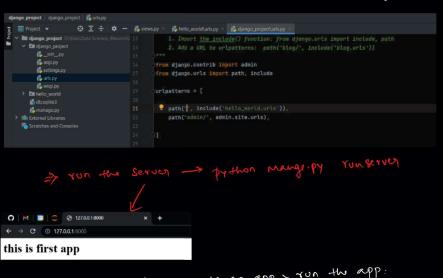
To create a URLconf in the hello_app directory, create a file called urls.py and paste code written as below:-



The single dot is a convention from command line applications. It means the current directory. In terms of Django it stands for the directory/module the current file is on



The next step is to point the root URLconf at the django_project.urls main module. In django_project/urls.py, add an import for django.urls.include and insert an include() in the urlpatterns list, so django will look into hello_world application and in that urls we have index defined so it is able to call that view in this way:



Steps to create a project > create an app > run the app:

| Open Anaconda prompt in Admin mode (can use an other IDE - but in admin mode)

2, create a virtual environment for the django project -> conda create -n django_env

3, activate the newly created env. -> conda activate django_env

4, Installing django in the virtual env. -> python -m pip install django

5, create a project -> django-admin start project django-project

7, project name

-> A forder with the project-name will be created.

Solder with the project-name & manage.py will be created.

Solder it another forder with project-name & manage.py will be created.

Solder in the the forder in which manage.py is there and run server (outer).

→ open the browser & enter the server or1 => http://(27.0.0.1:8000)

⇒ A page with 'The install worked successfully! Congratulations!"

will be displayed.

7. Now create our own app in the signago-project tolder -> python manage py startapp Lello-world

Top name

-> The app (hello-would hello-app) gets created success fully.

8, In the views.py (of the app: hello-world), we need to write whatever we want to display in the browser.

