Cd Documents

Mkdir CSE

Cd CSE

Python --version

Python3 --version

Pip3 --version

Pip3 install django==2.0.3

django-admin --version

django-admin startproject myproject

Ls

Myproject

Cd Myproject

Python3 manage.py runserver

127.0.0.1:8000 ---> check in your browser

Or

Localhost:8000

Ctrl+c

Documents/CSE/myproject/…….

python3 manage.py startapp myapp

Ls

Cd myapp

Ls

Cd ..

Python3 manage.py runserver

Pkill -9 python

Python3 manage.py runserver

---------------------------------------------------------------

**manage.py:** It is a command-line utility which allows us **to interact with the project** in various ways and also used to manage an application that we will see later on in this tutorial.

**\_\_init\_\_.py:** It is an empty file that tells to the Python that this **directory should be considered as a Python package**.

**settings.py:** This file is used to configure application settings such as **database connection, static files linking etc**.

**urls.py:** This file contains the listed URLs of the application. In this file, we can mention the URLs and corresponding actions to perform the task and display the view.

**wsgi.py:** It is an entry-point for WSGI-compatible web servers to serve Django project.

Views.py

myapp/views.py

from django.shortcuts import render

from django.http import HttpResponse

def hello(request):

return HttpResponse("<h2>Hello World!!! </h2>")

myproject/urls.py

from django.contrib import admin

from django.urls import path

from myapp import views

urlpatterns = [

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

path('hello/', views.hello),

]

=>127.0.0.1:8000/hello

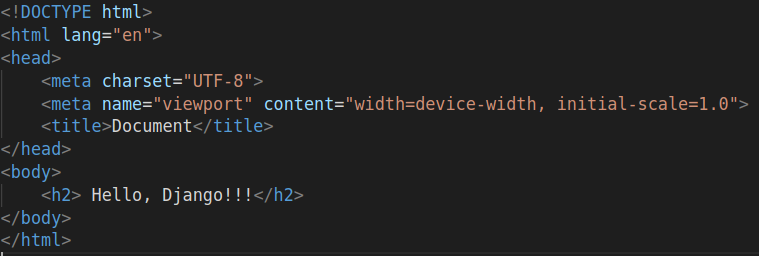
Ctrl+~ --------------------

------------------------------------------------------------------------------------------------

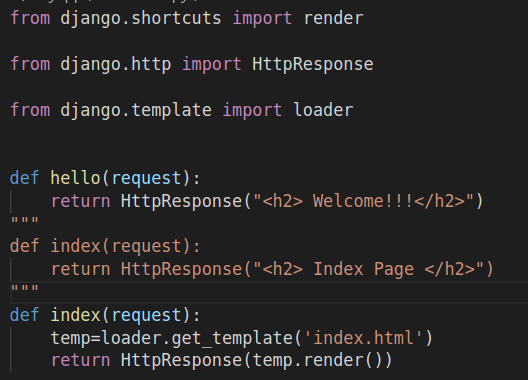
Template(html files)

Create a new directory myapp/templates/index.html

Index.html :-



Views.py:-

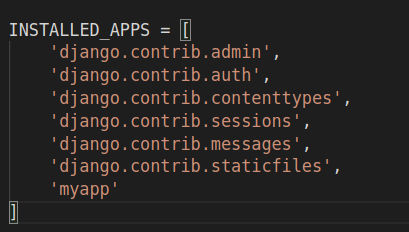


Urls.py:-



Settings.py:-

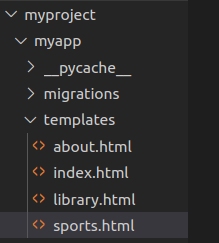
Include your app name settings.py



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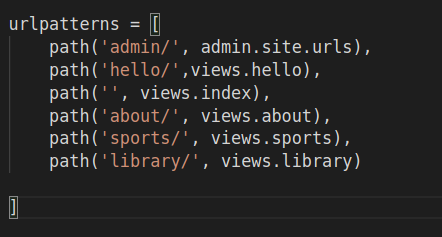
Routings:-

Create new files inside the templates and design all the pages…

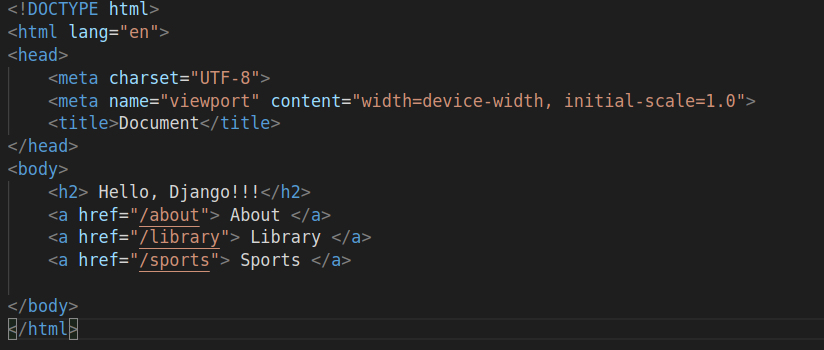


Views.py





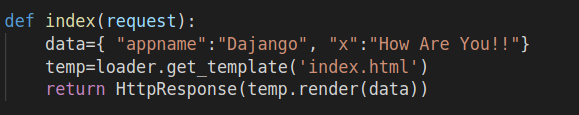
Index.html:-



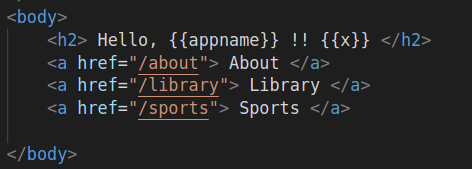
**URL REWRITINGS**

**Variables:**

**Views.py**

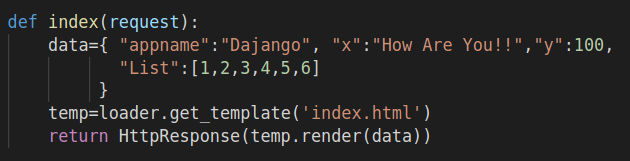
****

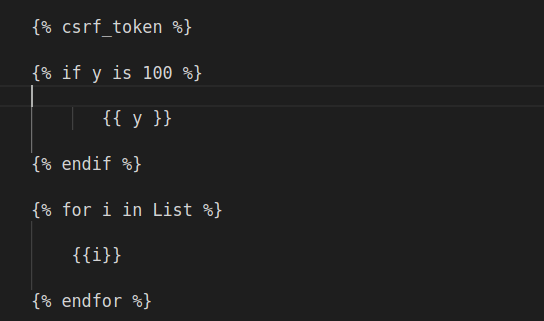
**Index.html**

****

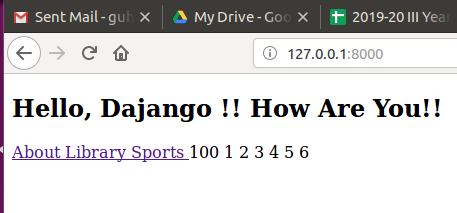
**Using Tags:-**

**Views.py**

****

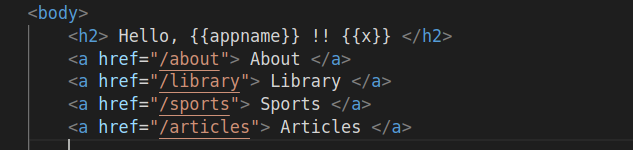
**Index.html**

**Output**

****

**Url Mapping**

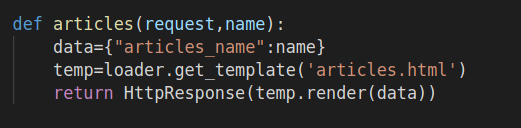
**Index.html**

****

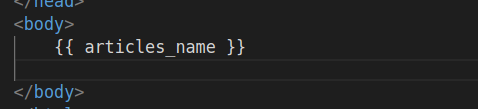
**Urls.py**

****

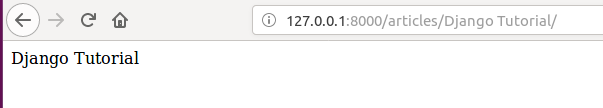
**Views.py:- 127.0.0.1:8000/articles/django**

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**Articles.html**

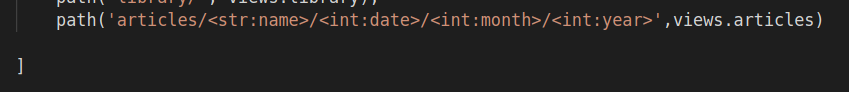
****

**Result**

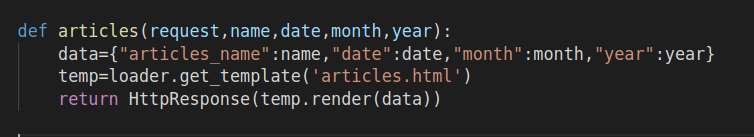
****

**More…..**

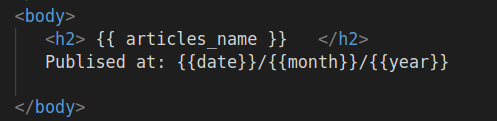
**Urls.py**

****

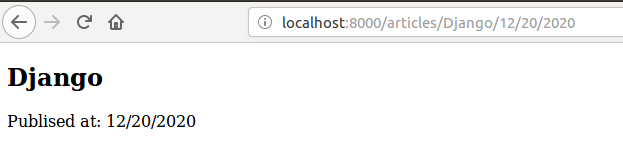
**Views.py**

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**Articles.html**

****

**Result:-**

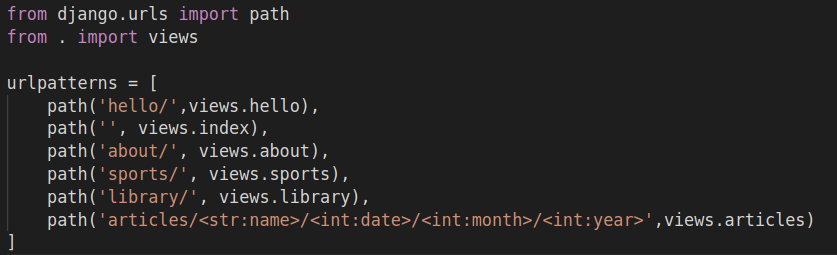
****

**----------------------------------------------------------------------------------**

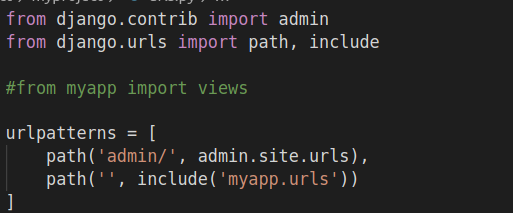
**Include and path:**

**Create urls.py inside the myapp**

**Change the code like below mentioned**

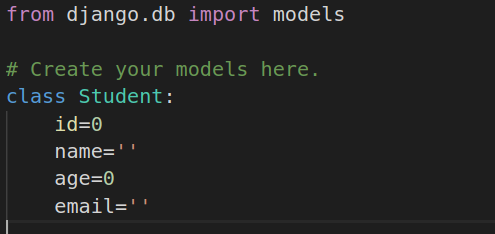
****

**myproject/urls.py :-**

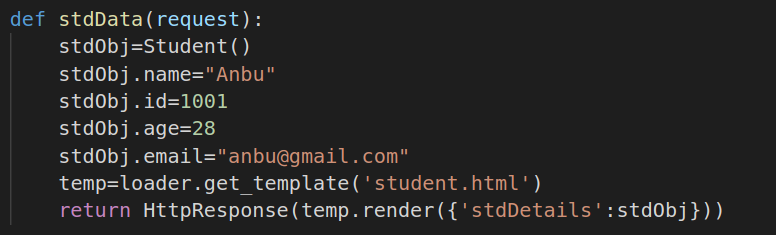
****

**-----------------------------------------------------------------------------------------------**

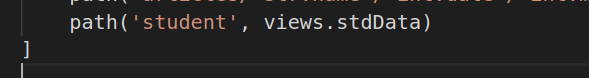
**myapp/models.py**

****

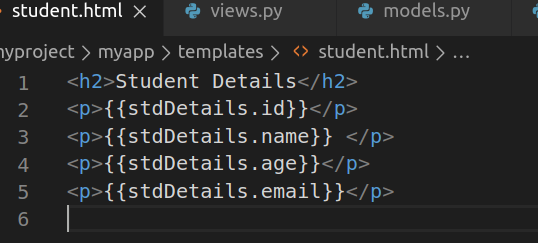
**Views.py**

****

**Urls.py**

****

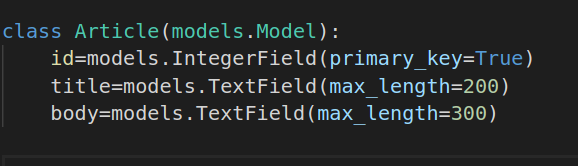
**Student.html**

****

**------------------------------------------------------------------------------------------**

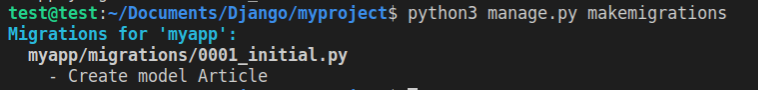
**Migrations:-**

**myapp/models.py**

****

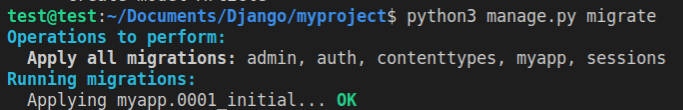
**Cmd: python3 manage.py migrate**

**And**

****

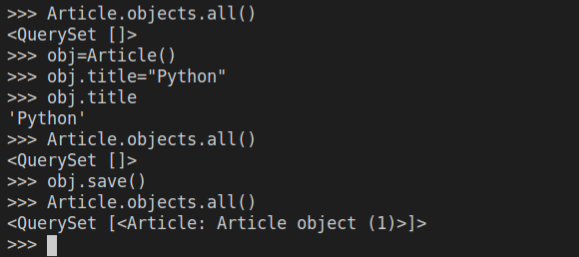
**Then go and check migrations/0001\_initials.py**

**Run again to migrate all…**

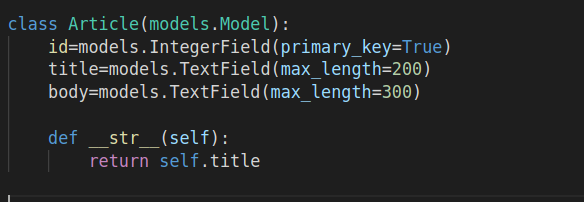
****

**Open python shell → python3 manage.py shell**

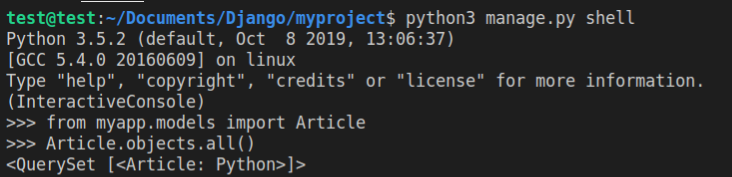
****

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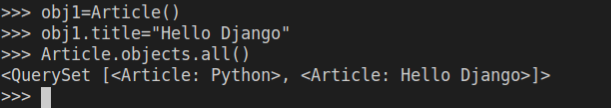
**myapp/models.py**

****

**Open Shell**

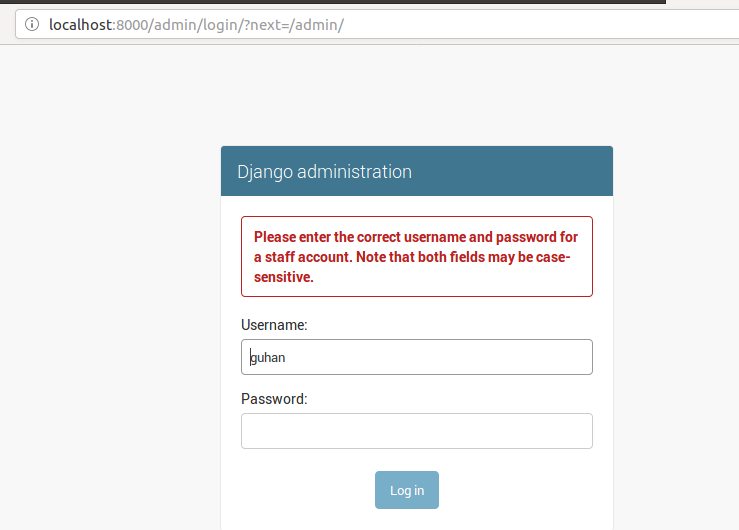
****

**And next object**

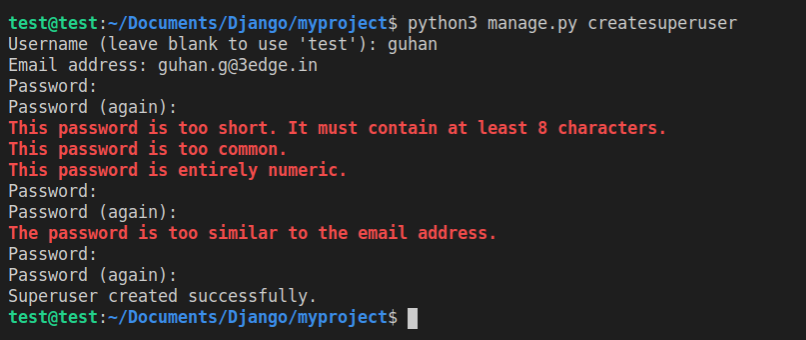
****

**Django Admin**

**Cmd: Python3 manage.py runserver**

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**Create login credentials**

****

**Username:guhan**

**Password:Anbu@123**

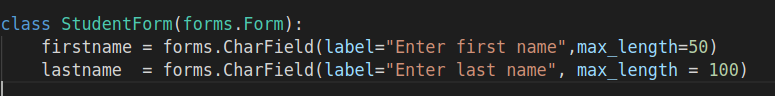
**myapp/admin.py:-**

****

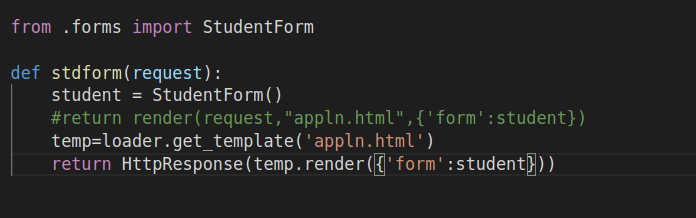
**Go and refresh your web page to edit your articles…**

**Django Forms:-**

**Forms.py:-**

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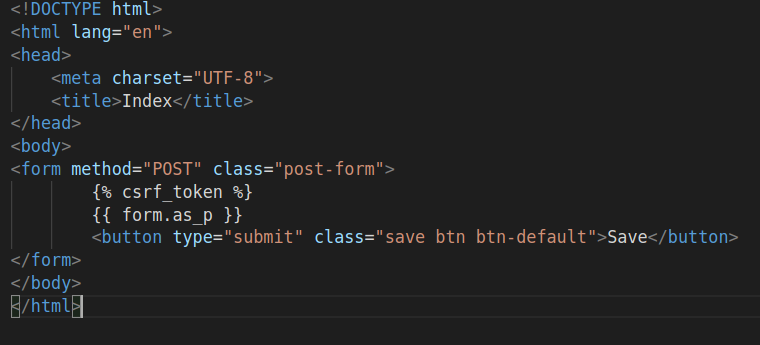
**Views.py:-**

****

**Urls.py:-**

****

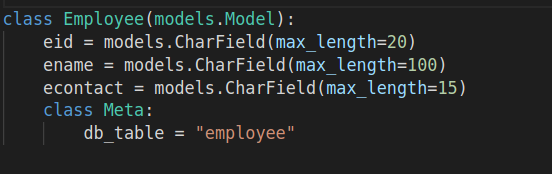
**Appln.html**

****

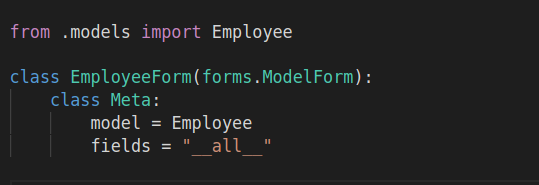
**----------------------------------------------------------**

**Djagno form validations**

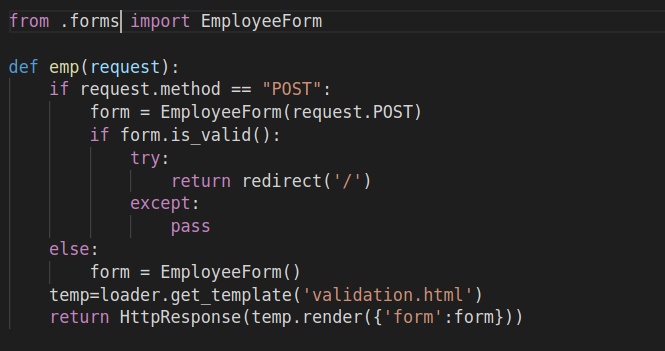
**Models.py:-**

****

**Forms.py:-**

****

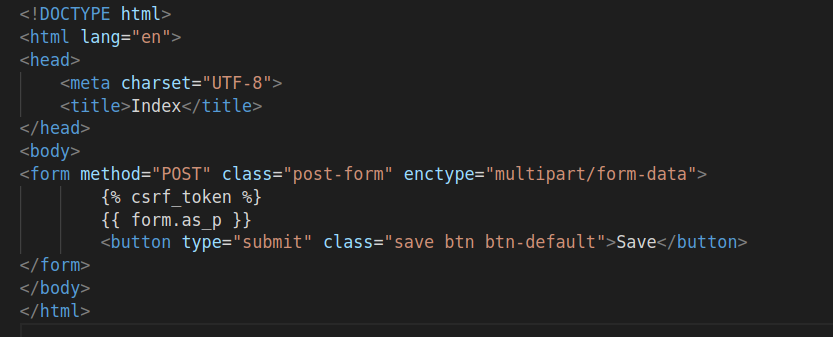
**Views.py:-**

****

**Urls.py:-**

****

**Validation.html**

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