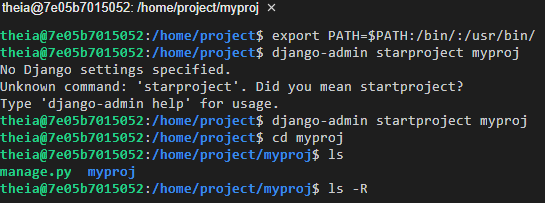
Django in student.saveetha.in

In terminal:



1. Export the following code:

theia@7e05b7015052:/home/project$ export PATH=$PATH:/bin/:/usr/bin/

1. Create the project with the project name myproj as follows

theia@7e05b7015052:/home/project$ django-admin startproject myproj

1. Change directory to myproj using following command cd myproj

theia@7e05b7015052:/home/project$ cd myproj

theia@7e05b7015052:/home/project/myproj$ ls

manage.py myproj

1. List the files inside the directory using the following command

theia@7e05b7015052:/home/project/myproj$ ls -R

.:

manage.py myproj

./myproj:

\_\_init\_\_.py asgi.py settings.py urls.py wsgi.py

theia@7e05b7015052:/home/project/myproj$

theia@7e05b7015052:/home/project/myproj$ python3 manage.py startapp myapp

theia@7e05b7015052:/home/project/myproj$ ls -R

.:

manage.py myapp myproj

./myapp:

\_\_init\_\_.py admin.py apps.py migrations models.py tests.py views.py

./myapp/migrations:

\_\_init\_\_.py

./myproj:

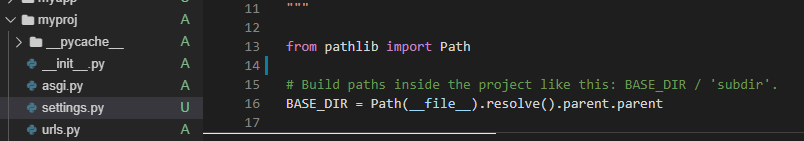
\_\_init\_\_.py \_\_pycache\_\_ asgi.py settings.py urls.py wsgi.py

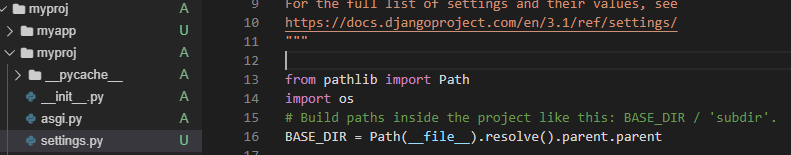
./myproj/\_\_pycache\_\_:

\_\_init\_\_.cpython-36.pyc settings.cpython-36.pyc

theia@7e05b7015052:/home/project/myproj$

1. Click on settings.py and insert import os in line no. 14

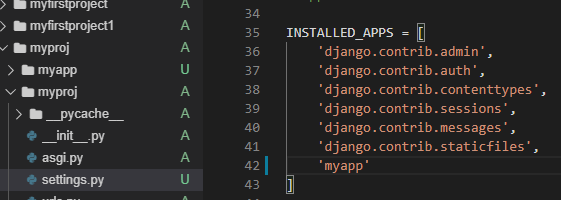




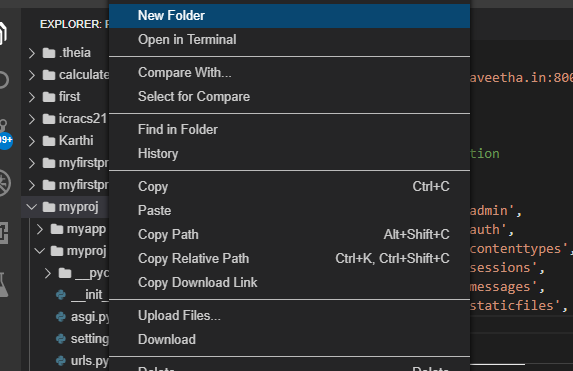
1. Insert 'demo2.student.saveetha.in' in line no 29

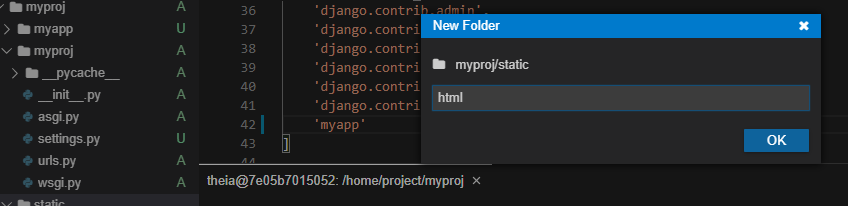


1. Insert ‘myapp’ in the configuration INSTALLED\_APPS

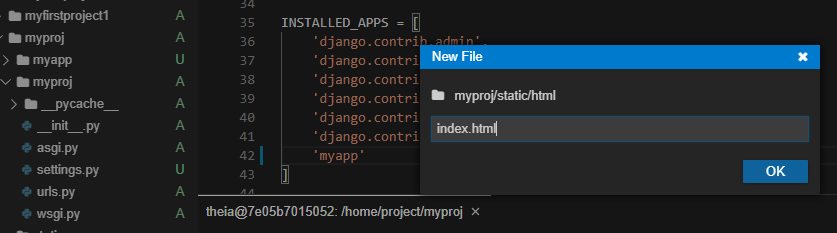


1. Create the folder static and static/html in the

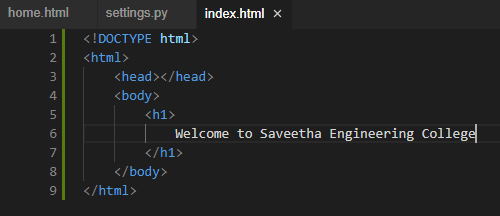




1. Create a new file index.html inside static/html folder



1. Type the following code inside the index.html



<!DOCTYPE html>

<html>

<head></head>

<body>

<h1>

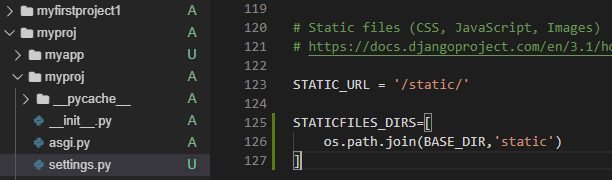
Welcome to Saveetha Engineering College

</h1>

</body>

</html>

1. Insert the following lines in line 125

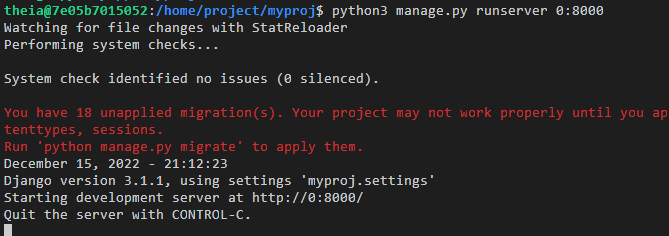


STATICFILES\_DIRS=[

os.path.join(BASE\_DIR,'static')

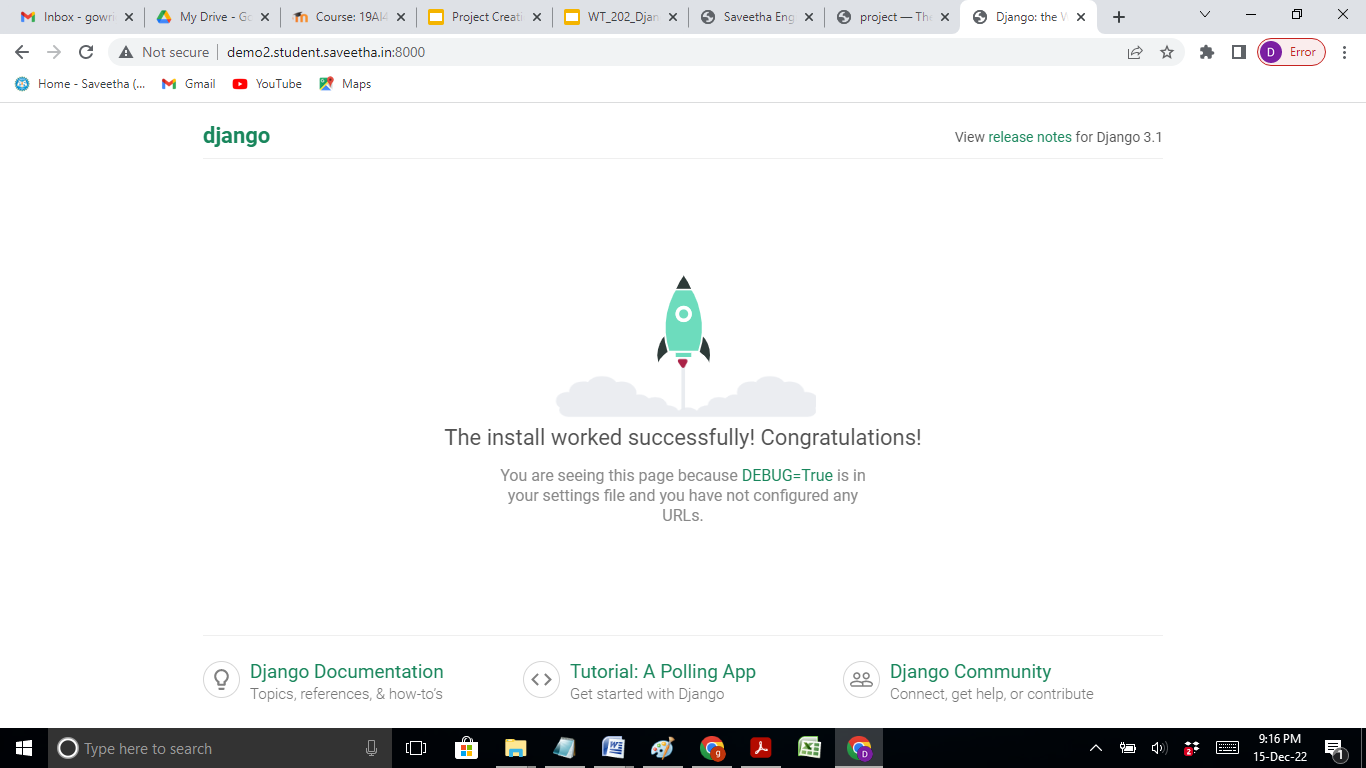
]

1. Run the following command

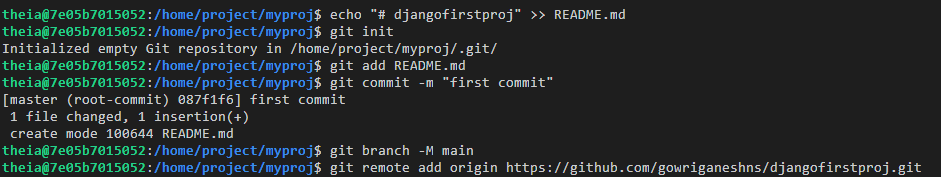


python3 manage.py runserver 0:8000

1. Give the url as http://demo2.student.saveetha.in:8000/



Create a github repository djangofirstproj and issue the following command:



Configure git

git config --global user.name "gowriganeshns"

git config --global user.email "gowriganeshns@saveetha.ac.in"

theia@7e05b7015052:/home/project/myproj$ echo "# djangofirstproj" >> README.md

theia@7e05b7015052:/home/project/myproj$ git init

Initialized empty Git repository in /home/project/myproj/.git/

theia@7e05b7015052:/home/project/myproj$ git add README.md

theia@7e05b7015052:/home/project/myproj$ git commit -m "first commit"

[master (root-commit) 087f1f6] first commit

1 file changed, 1 insertion(+)

create mode 100644 README.md

theia@7e05b7015052:/home/project/myproj$ git branch -M main

theia@7e05b7015052:/home/project/myproj$ git remote add origin https://github.com/gowriganeshns/djangofirstproj.git

theia@7e05b7015052:/home/project/myproj$ git add -A

theia@7e05b7015052:/home/project/myproj$ ls

README.md db.sqlite3 manage.py myapp myproj static

theia@7e05b7015052:/home/project/myproj$ git commit -m "first commit"

[main 66e06fa] first commit

23 files changed, 228 insertions(+)

create mode 100644 db.sqlite3

create mode 100755 manage.py

create mode 100644 myapp/\_\_init\_\_.py

create mode 100644 myapp/\_\_pycache\_\_/\_\_init\_\_.cpython-36.pyc

create mode 100644 myapp/\_\_pycache\_\_/admin.cpython-36.pyc

create mode 100644 myapp/\_\_pycache\_\_/models.cpython-36.pyc

create mode 100644 myapp/admin.py

create mode 100644 myapp/apps.py

create mode 100644 myapp/migrations/\_\_init\_\_.py

create mode 100644 myapp/migrations/\_\_pycache\_\_/\_\_init\_\_.cpython-36.pyc

create mode 100644 myapp/models.py

create mode 100644 myapp/tests.py

create mode 100644 myapp/views.py

create mode 100644 myproj/\_\_init\_\_.py

create mode 100644 myproj/\_\_pycache\_\_/\_\_init\_\_.cpython-36.pyc

create mode 100644 myproj/\_\_pycache\_\_/settings.cpython-36.pyc

create mode 100644 myproj/\_\_pycache\_\_/urls.cpython-36.pyc

create mode 100644 myproj/\_\_pycache\_\_/wsgi.cpython-36.pyc

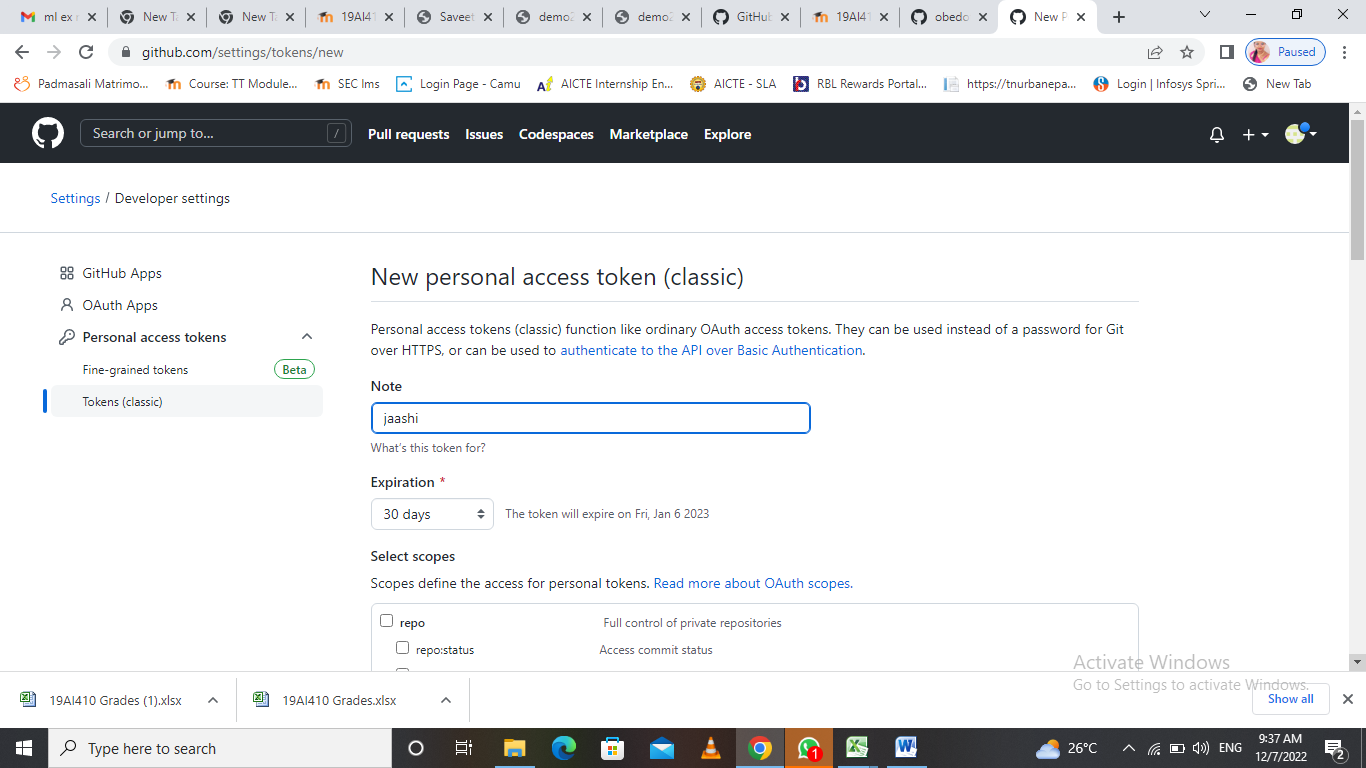
create mode 100644 myproj/asgi.py

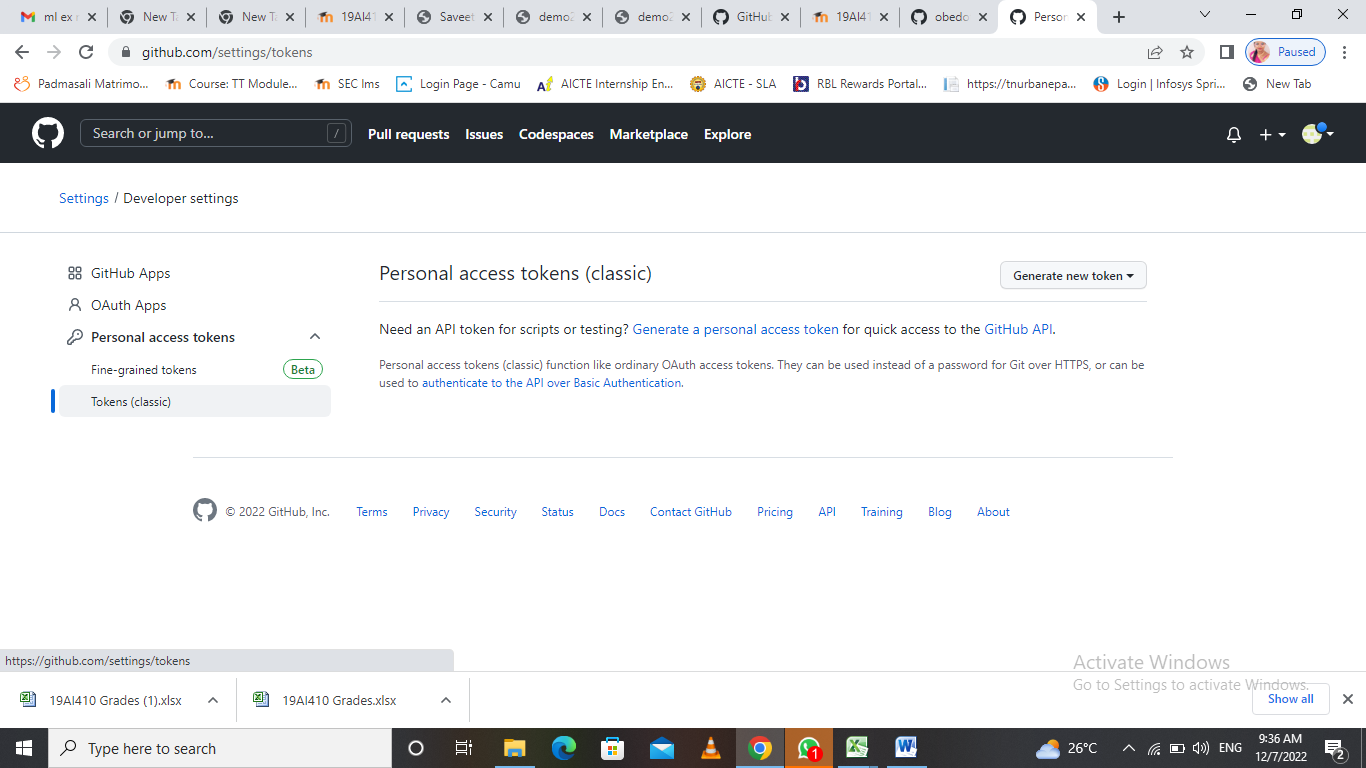
create mode 100644 myproj/settings.py

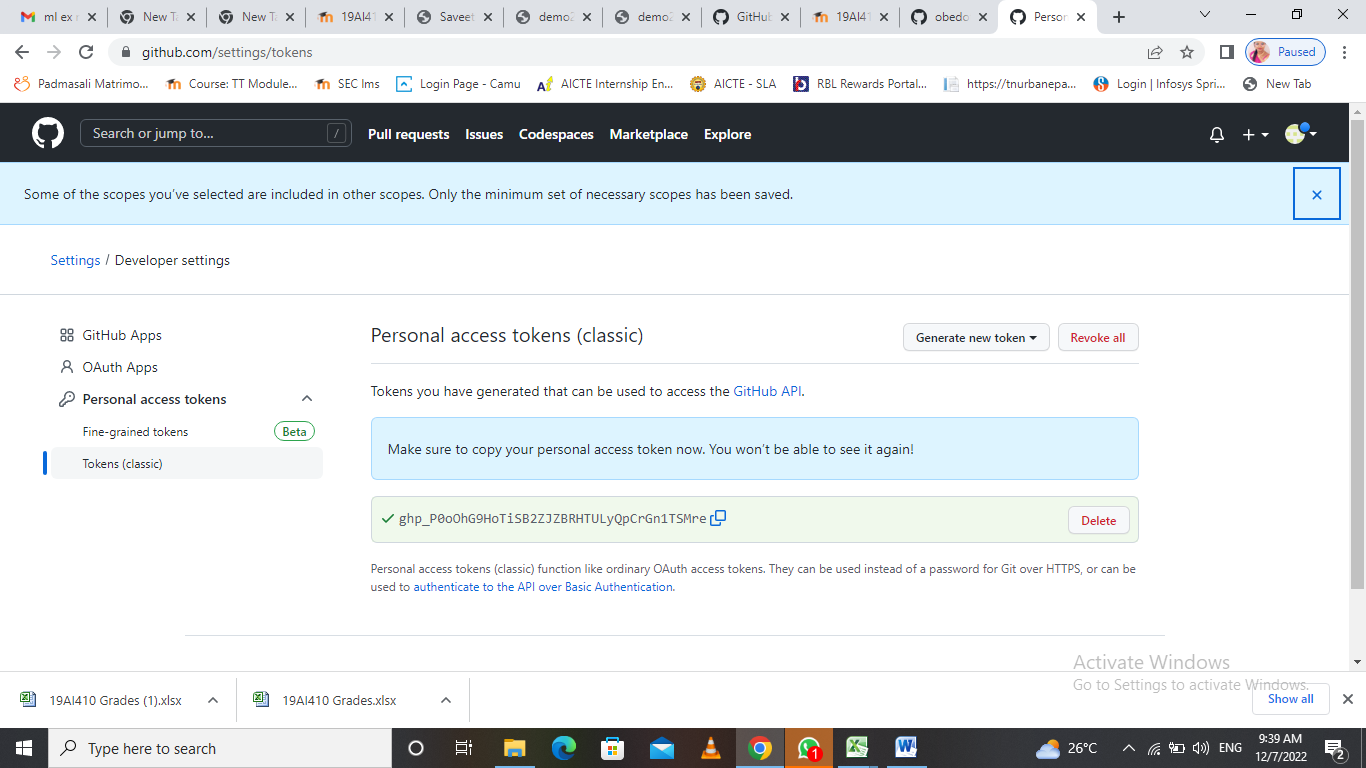
create mode 100644 myproj/urls.py

create mode 100644 myproj/wsgi.py

create mode 100644 static/html/index.html







theia@7e05b7015052:/home/project/myproj$ git remote set-url origin https://gowriganeshns:ghp\_e6Pqo3b0vdzaXSOBuBqgFveIZyTkXu08lXrE@github.com/gowriganeshns/djangofirstproj.git

theia@7e05b7015052:/home/project/myproj$ git push origin mainCounting objects: 33, done.

Delta compression using up to 16 threads.

Compressing objects: 100% (28/28), done.

Writing objects: 100% (33/33), 6.61 KiB | 1.65 MiB/s, done.

Total 33 (delta 3), reused 0 (delta 0)

remote: Resolving deltas: 100% (3/3), done.

To https://github.com/gowriganeshns/djangofirstproj.git

\* [new branch] main -> main

theia@7e05b7015052:/home/project/myproj$ git add -Atheia@7e05b7015052:/home/project/myproj$ git commit -m "first commit"[main a17ba0d] first commit

1 file changed, 1 deletion(-)

theia@7e05b7015052:/home/project/myproj$ git push origin main

Counting objects: 4, done.

Delta compression using up to 16 threads.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 348 bytes | 348.00 KiB/s, done.

Total 4 (delta 3), reused 0 (delta 0)

remote: Resolving deltas: 100% (3/3), completed with 3 local objects.

To https://github.com/gowriganeshns/djangofirstproj.git

66e06fa..a17ba0d main -> main

git remote set-url origin <https://gowriganeshns: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@github.com/gowriganeshns/djangofirstproj.git>

git push origin main

or

git push <https://gowriganeshns: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@github.com/gowriganeshns/djangofirstproj.git>

**Admin**

1. Issue the following command

theia@7e05b7015052:/home/project/myproj$ python3 manage.py makemigrations

No changes detected

1. Apply all migrations using the following command

theia@7e05b7015052:/home/project/myproj$ python3 manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions

Running migrations:

Applying contenttypes.0001\_initial... OK

Applying auth.0001\_initial... OK

Applying admin.0001\_initial... OK

Applying admin.0002\_logentry\_remove\_auto\_add... OK

Applying admin.0003\_logentry\_add\_action\_flag\_choices... OK

Applying contenttypes.0002\_remove\_content\_type\_name... OK

Applying auth.0002\_alter\_permission\_name\_max\_length... OK

Applying auth.0003\_alter\_user\_email\_max\_length... OK

Applying auth.0004\_alter\_user\_username\_opts... OK

Applying auth.0005\_alter\_user\_last\_login\_null... OK

Applying auth.0006\_require\_contenttypes\_0002... OK

Applying auth.0007\_alter\_validators\_add\_error\_messages... OK

Applying auth.0008\_alter\_user\_username\_max\_length... OK

Applying auth.0009\_alter\_user\_last\_name\_max\_length... OK

Applying auth.0010\_alter\_group\_name\_max\_length... OK

Applying auth.0011\_update\_proxy\_permissions... OK

Applying auth.0012\_alter\_user\_first\_name\_max\_length... OK

Applying sessions.0001\_initial... OK

1. Create admin credentials

theia@7e05b7015052:/home/project/myproj$ python3 manage.py createsuperuser

Username (leave blank to use 'theia'): admin

Email address: admin@gmail.com

Password:

Password (again):

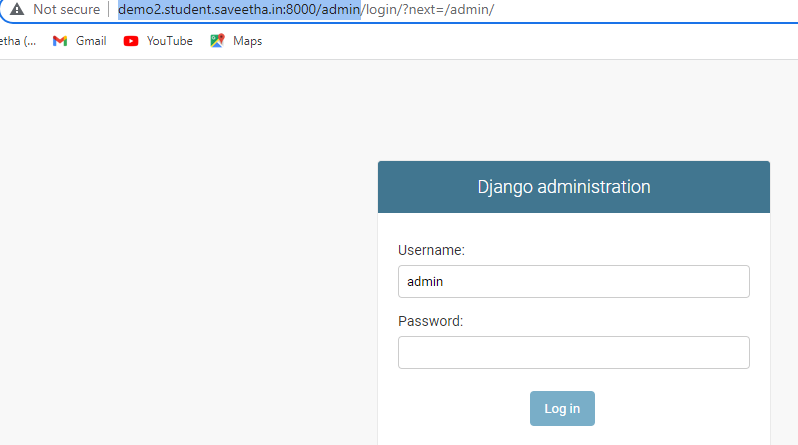
The password is too similar to the username.

This password is too common.

Bypass password validation and create user anyway? [y/N]: y

Superuser created successfully.

1. Issue the url <http://demo2.student.saveetha.in:8000/admin> as follows:



Settings.py

# Database

# https://docs.djangoproject.com/en/3.1/ref/settings/#databases

DATABASES = {

    'default': {

        'ENGINE': 'django.db.backends.sqlite3',

        'NAME': BASE\_DIR / 'db.sqlite3',

    }

}

Models.py

from django.db import models

from django.contrib import admin

# Create your models here.

class Student (models.Model):

    referencenumber=models.CharField(max\_length=20,help\_text="reference number")

    name=models.CharField(max\_length=100)

    age=models.IntegerField()

    email=models.EmailField()

class StudentAdmin(admin.ModelAdmin):

    list\_display=('referencenumber','name','age','email')

admin.py

from django.contrib import admin

from .models import Student,StudentAdmin

# Register your models here.

admin.site.register(Student,StudentAdmin)

**Create database as follows:**

1. Make migrations

theia@66bdc17317ff:/home/project/myproj$ python3 manage.py makemigrations myapp

Migrations for 'myapp':

myapp/migrations/0001\_initial.py

- Create model Student

theia@66bdc17317ff:/home/project/myproj$

1. Then migrate

theia@66bdc17317ff:/home/project/myproj$ python3 manage.py migrate myapp

Operations to perform:

Apply all migrations: myapp

Running migrations:

Applying myapp.0001\_initial... OK

