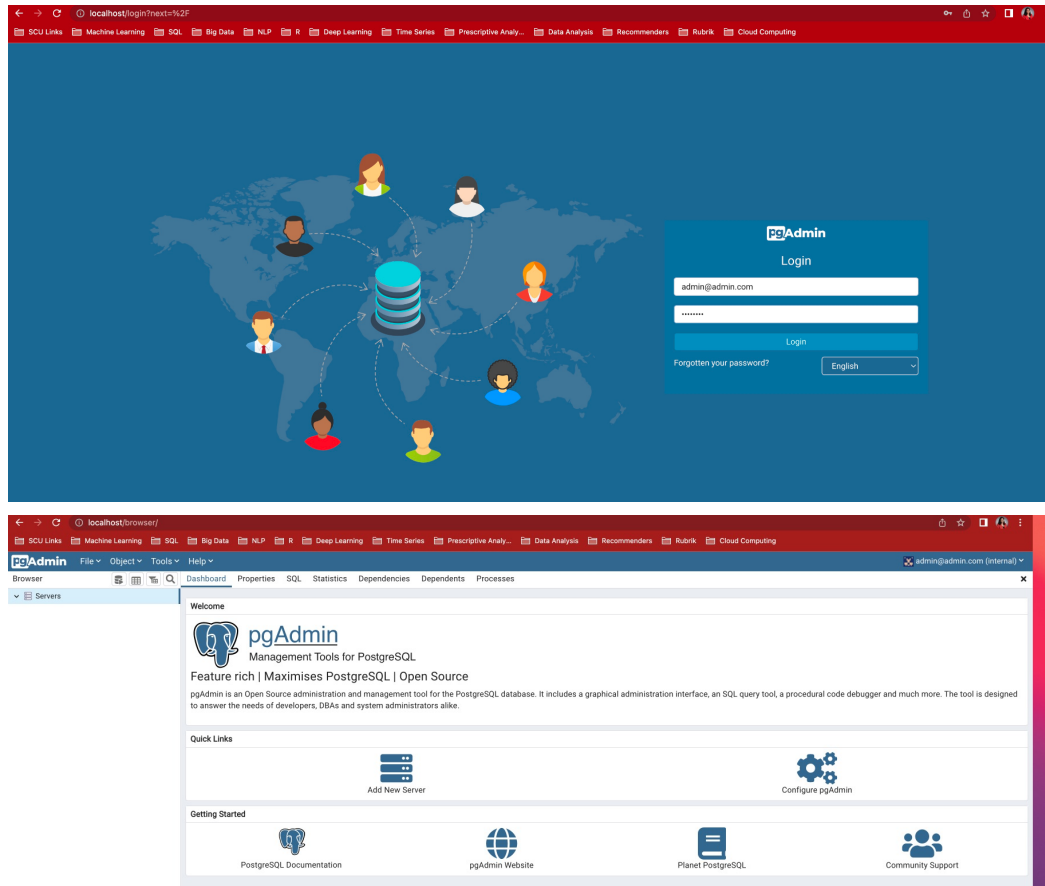


1. Build and run dba on port 80

```
docker build -t mydba .
```

```
docker run --name my_dba -p 80:80 mydba
```



#run on mynetwork

```
docker run --name my_dba2 --network mynetwork -itd -p 80:80 mydba
```

2. Build and run db on port 5432

```
docker build -t mydb .
```

```
docker run --name my_db -p 5432:5432 -d mydb
```

#run on mynetwork

```
docker run --name my_db2 --network mynetwork -itd -p 5432:5432 mydb
```

3. Create Network for the 3 containers to talk to each other

```
docker network create mynetwork
```

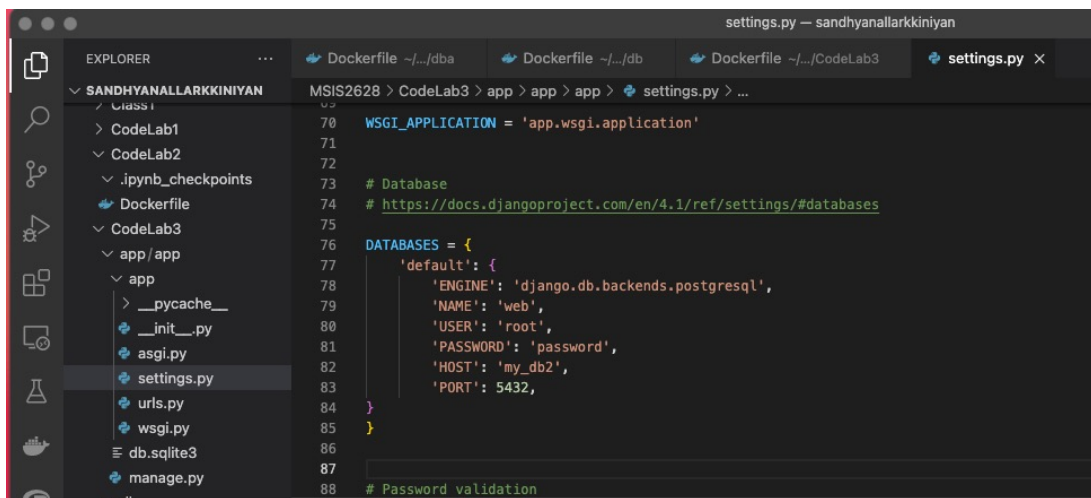
```
#check for network
docker network ls
```

4. Build and run Django app
docker build -t my_django .

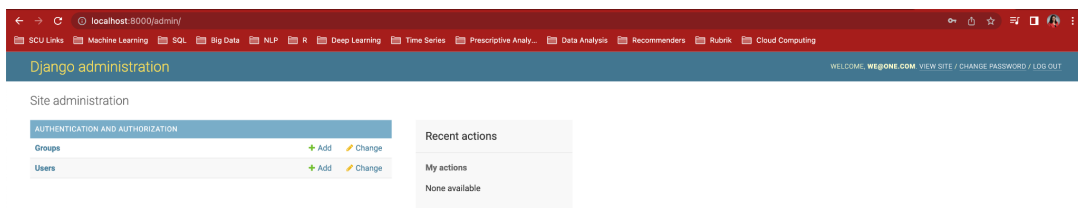
```
docker run -it -p 8000:8000 --network mynetwork v $(pwd)/app:/app my_django /bin/bash
```

```
root@f4aa0b0790f7:/app# python /app/app/manage.py migrate
root@2b6f2a230bbd:/app# python /app/app/manage.py runserver 0.0.0.0:8000
```


#Update db in app settings as mentioned [here](#)





```
settings.py — sandhyanallarkkiniyan
70 WSGI_APPLICATION = 'app.wsgi.application'
71
72
73 # Database
74 # https://docs.djangoproject.com/en/4.1/ref/settings/#databases
75
76 DATABASES = {
77     'default': {
78         'ENGINE': 'django.db.backends.postgresql',
79         'NAME': 'web',
80         'USER': 'root',
81         'PASSWORD': 'password',
82         'HOST': 'my_db2',
83         'PORT': 5432,
84     }
85 }
86
87
88 # Password validation
```




```
#create superuser
python /app/app/manage.py createsuperuser
```


 Containers

 Images

 Volumes

 Dev Environments BETA

Extensions BETA


















 Add Extensions

Containers [Give Feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 5 items

 Search

<input type="checkbox"/>	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	 my_dba 50d488d24a2c	mydba:latest	Exited	80		  
<input type="checkbox"/>	 my_db 8e3d3ba559b3	mydb:latest	Exited	5432		  
<input type="checkbox"/>	 my_dba2 5018538bf4d1	mydba:latest	Running	80	45 minutes ag	  
<input type="checkbox"/>	 my_db2 9916da38394f	mydb:latest	Running	5432	43 minutes ag	  
<input type="checkbox"/>	 amazing_gagarin 2b6f2a230bbd	my_django:latest	Running	8000	8 minutes agc	