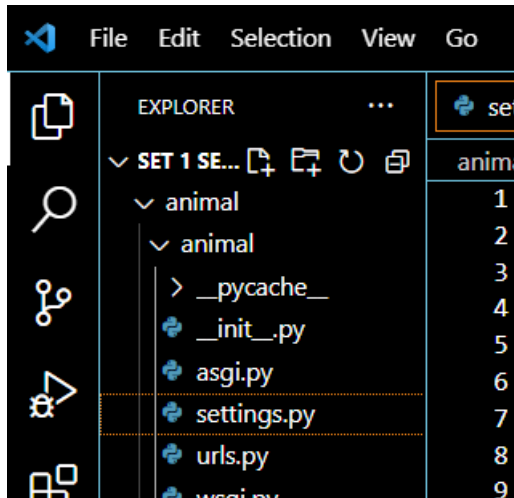


NOTA PRAKTIKAL 2 WAD

1. click settings.py



```
from pathlib import Path
import os #
import dj_database_url #
```

```
# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = os.environ.get('DJANGO_SECRET_KEY','django-insecure-
y$tpzs%!17^lt4@g&(rhjo3mp9-_oy4yo7ra#)9sc33qoomaj8') #

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = os.environ.get('DJANGO_DEBUG','')!='False' #
```

```
MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
    'whitenoise.middleware.WhiteNoiseMiddleware', #
]
```

```
STATIC_ROOT= BASE_DIR / 'staticfiles' #
```

```
STATIC_URL = '/static/' #
```

```
db_from_env=dj_database_url.config(conn_max_age=500) #
```

```
DATABASES['default'].update(db_from_env) #
```

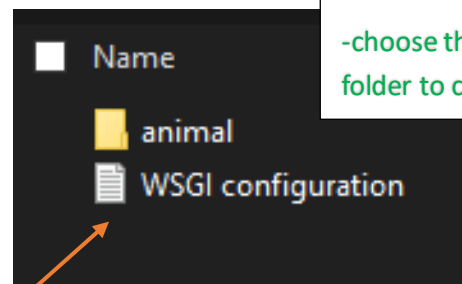
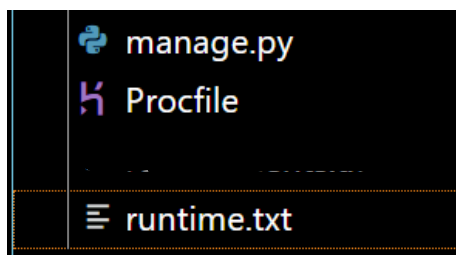
2. create Procfile

```
web : gunicorn animal.wsgi --log-file-
```

3. create runtime.txt, make sure check your python version in command prompt

```
python-3.10.0
```

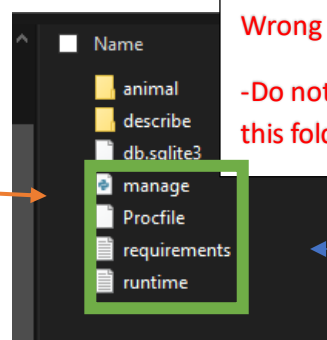
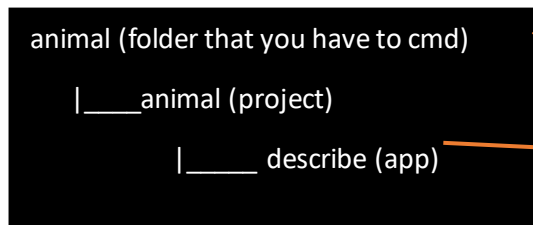
4. make sure Procfile and runtime.txt align with manage.py file, if it is not, move it into the same folder as manage.py file



Correct

-choose this folder to cmd

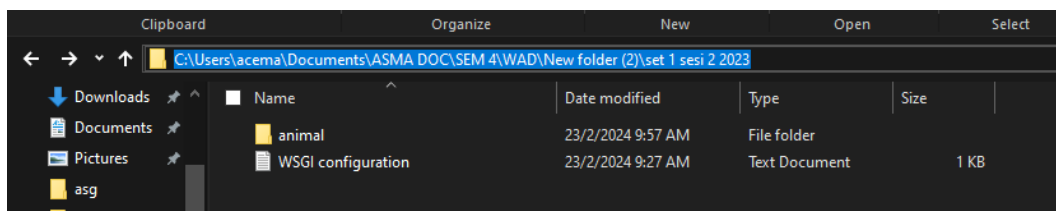
5. click the file folder that you want to cmd



Wrong

-Do not choose this folder to cmd

6. cmd here



7.

```
pip3 install gunicorn
```

```
pip3 install dj-database-url
```

```
pip3 install psycopg2-binary
```

```
pip3 install whitenoise
```

Make sure when you have **done pip3 freeze>requirements.txt** the procfile, runtime.txt and requirements.txt are align with manage.y file

pip3 freeze>requirements.txt

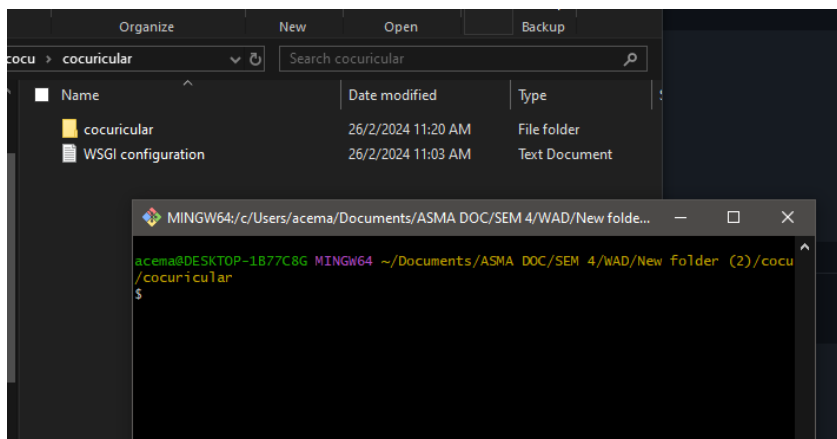
8. Open github

create new repository

name it as your folder/instructed



9. right click>git bash here



git init

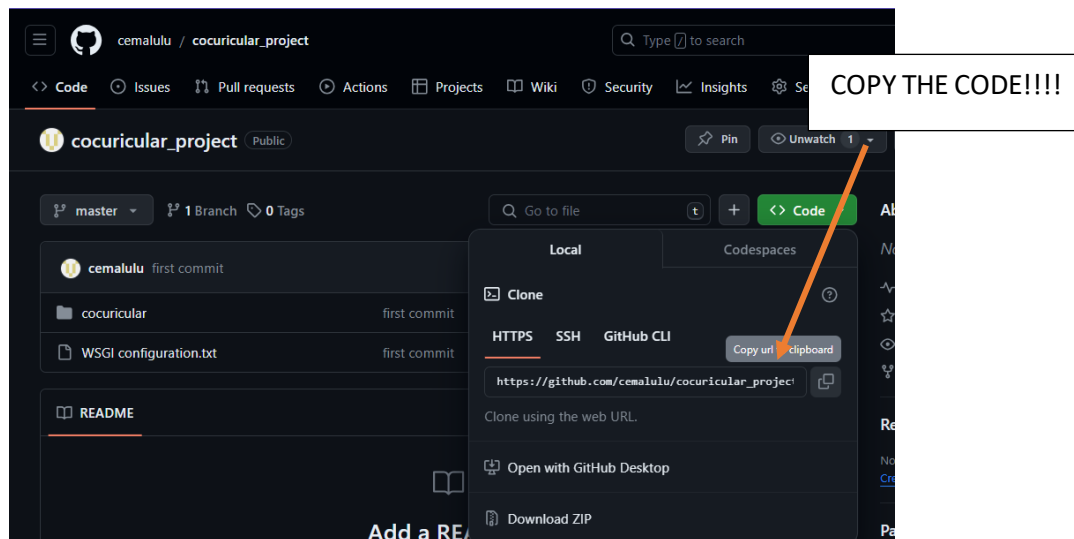
git add .

git commit -m "first commit"

git remote add origin https://github.com/cemalulu/cocuricular_project.git

git push -u origin master

10. refresh github and pages outcome like below



11. OPEN PYTHON ANYWHERE

12. Click Bash button to open new bash and then command this

```
> git clone https://github.com/cemalulu/cocuricular_project.git
```

(paste the copied urls at the github)

13. open Web in new tab

14. add new web app

15. click manual configuration

16. click python 3.10

17. Go back to step 12 and continue command

```
> mkvirtualenv --python=/usr/bin/python3.10 cocuricularsite-  
virtualenv
```

```
virtualenvwrapper.user_scripts creating /ho  
virtualenvwrapper.user_scripts creating /ho  
(cocuricularsite-virtualenv) 03:47 ~ $  
(cocuricularsite-virtualenv) 03:47 ~ $
```

18. Copy the highlighted command above and paste into virtualenv below

Virtualenv:

Use a virtualenv to get different versions of flask, django etc from our default system ones. [More info here](#). You need to **Reload your web app** to activate it; NB - will do nothing if the virtualenv does not exist.

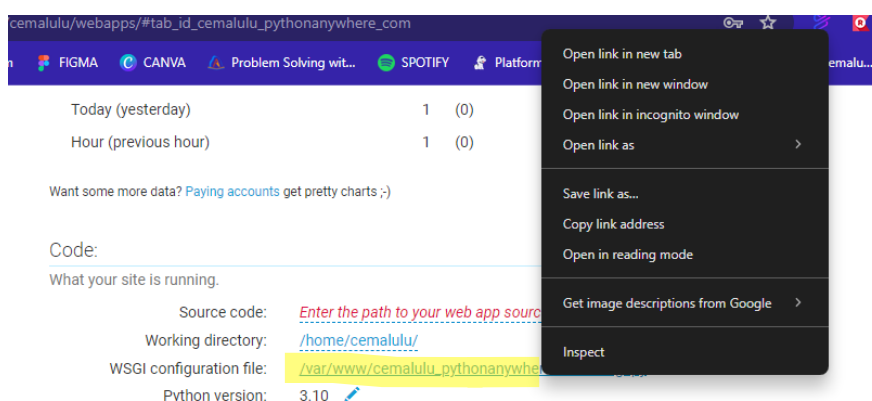
cocuricularsite-virtualenv

19. continue command

```
> pip install django
```

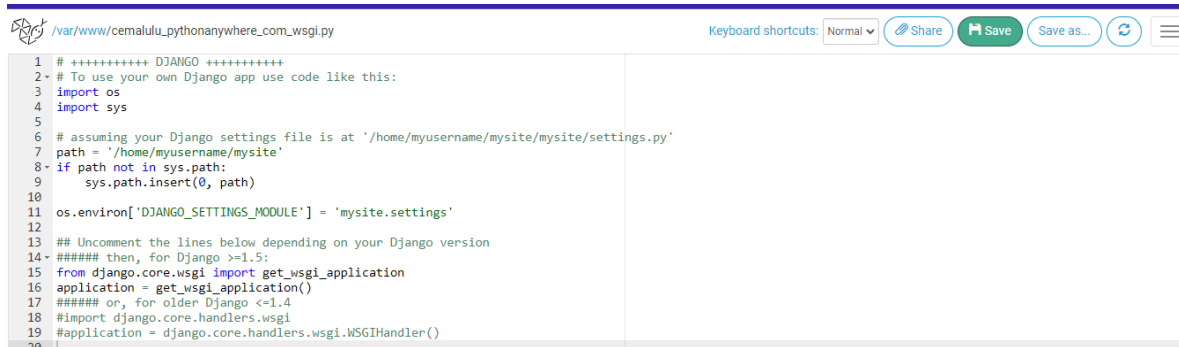
*weyh nak install djangoo dalam
bish ni lama maaaa

20. sementara tunggu Django install lama tu, buka web tadi, pergi bahagian code, right click and open in new tab mcm dalam gambar kat bawah.



21. buka wsgi configuration file dkt files, copy code

22. paste code dalam new tab yg buka tadi dan SAVE

A screenshot of a web-based code editor. The address bar shows the URL: /var/www/cemalulu_pythonanywhere_com_wsgi.py. The editor has a toolbar with 'Keyboard shortcuts', 'Normal' (font style), 'Share', 'Save', 'Save as...', and a refresh icon. The code is as follows:

```
1 # ++++++ DJANGO ++++++
2 # To use your own Django app use code like this:
3 import os
4 import sys
5
6 # assuming your Django settings file is at '/home/myusername/mysite/mysite/settings.py'
7 path = '/home/myusername/mysite'
8 if path not in sys.path:
9     sys.path.insert(0, path)
10
11 os.environ['DJANGO_SETTINGS_MODULE'] = 'mysite.settings'
12
13 ## Uncomment the lines below depending on your Django version
14- ##### then, for Django >=1.5:
15 from django.core.wsgi import get_wsgi_application
16 application = get_wsgi_application()
17 ##### or, for older Django <=1.4
18 #import django.core.handlers.wsgi
19 #application = django.core.handlers.wsgi.WSGIHandler()
20
```

ada edit ii sikit

```
# ++++++ DJANGO ++++++

# To use your own Django app use code like this:

import os

import sys

# assuming your Django settings file is at '/home/myusername/mysite/mysite/settings.py'
path = '/home/cemalulu/cocurricular_project/cocurricular'

if path not in sys.path:

    sys.path.insert(0, path)

os.environ['DJANGO_SETTINGS_MODULE'] = 'cocurricular.settings'

## Uncomment the lines below depending on your Django version

##### then, for Django >=1.5:

from django.core.wsgi import get_wsgi_application

application = get_wsgi_application()

##### or, for older Django <=1.4

#import django.core.handlers.wsgi

#application = django.core.handlers.wsgi.WSGIHandler()
```

23. dah habis install Django command ni (PART SINI XBOLEH SILAP, KALAU SILAP NNT XLEH RUN)

> ls

```
README.txt  cocurricular_project
```

CTH: OUTPUT

> cd cocurricular_project

Keep ls and cd based on given output from bash sampai jumpa output yg mcm kat bawah ni

```
__init__.py  __pycache__  asgi.py  requirements.txt  settings.py  
urls.py  wsgi.py
```

CTH: OUTPUT

24. Sampai jumpa requirements.txt , masukkan command ni

> `pip install -r requirements.txt`

25. create super user

> Python manage.py createsuperuser

enter username,email address,password, password again (jgn kosong)

>python manage.py migrate

26. pergi web app tekan reload

27. letak dalam settings.py dekat dalam web app

```
ALLOWED_HOSTS = ['cema1ulu.pythonanywhere.com']
```

28. Reload balik

29. Refresh page nanti keluar 404 page

30. tambah ni → `/hobby` dekat link yg 404 page tu (yg ni tambah based on nama path yg kita letak dalam urls.py which is hobby@ atau nama apps)