

Create a web app in paas environment

#for python

sudo apt install python-is-python3

if gcloud --version run successfully we can directly run the

gcloud init

1. Install gcloud this can be done in the root terminal

curl -O https://dl.google.com/dl/cloudsdk/channels/rapid/downloads/google-cloud-cli-457.0.0-linux-x86_64.tar.gz

tar -xf google-cloud-cli-457.0.0-linux-x86_64.tar.gz

./google-cloud-sdk/install.sh

./google-cloud-sdk/bin/gcloud init

After gcloud init select the project already created and billing set up

#2. Make the simple web app

mkdir my-gae-app

cd my-gae-app

my-gae-app/

|

├─ app.yaml

├─ main.py

└─ requirements.txt

a) main.py

```
from flask import Flask

app = Flask(__name__)

@app.route('/')

def hello():

    return 'Hello from Google App Engine!'

if __name__ == '__main__':

    app.run(host='0.0.0.0', port=8080)
```

use def table for table instead of the hello()

```
def table_of_5():

    table = ""

    for i in range(1, 11):

        table += f"5 x {i} = {5 * i}<br>"

    return table
```

b) requirements.txt

```
flask
gunicorn
```

c) app.yaml

```
runtime: python39
entrypoint: gunicorn -b :$PORT main:app
```

Open terminal in the my-gae-app

gcloud app create

gcloud app deploy

gcloud app browse

to also run this app locally

pip install flask gunicorn

python main.py