EXP NO : **INSTALL GOOGLE APP ENGINE. CREATE HELLO WORLD APP AND**

DATE : **OTHER SIMPLE WEB APPLICATIONS USING PYTHON/JAVA.**

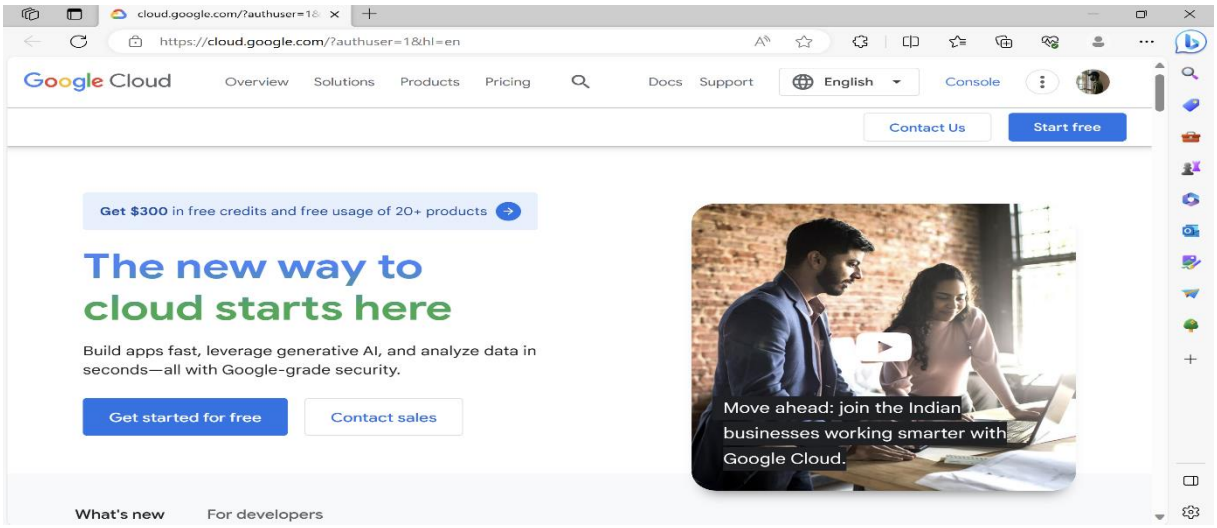
AIM :

To Install Google App Engine. Create hello world app and other simple web applications using python/java.

PROCEDURE :

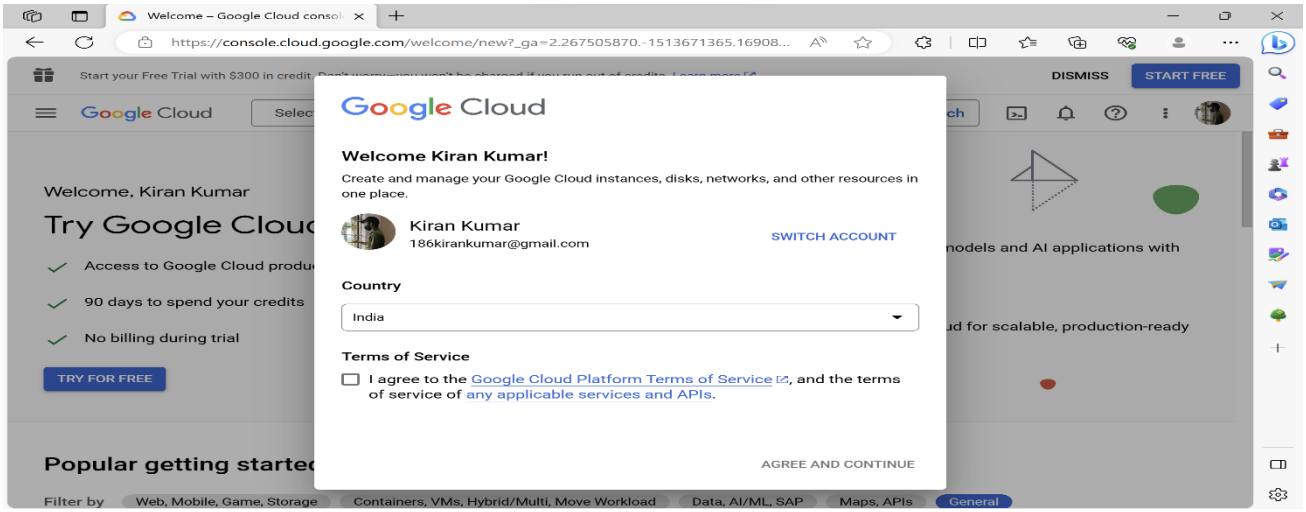
Step1: Go to the URL https://cloud.google.com

(Before visiting to this page you are logged onto your Gmail account, for IAM / Else click signin option login to Gmail account)

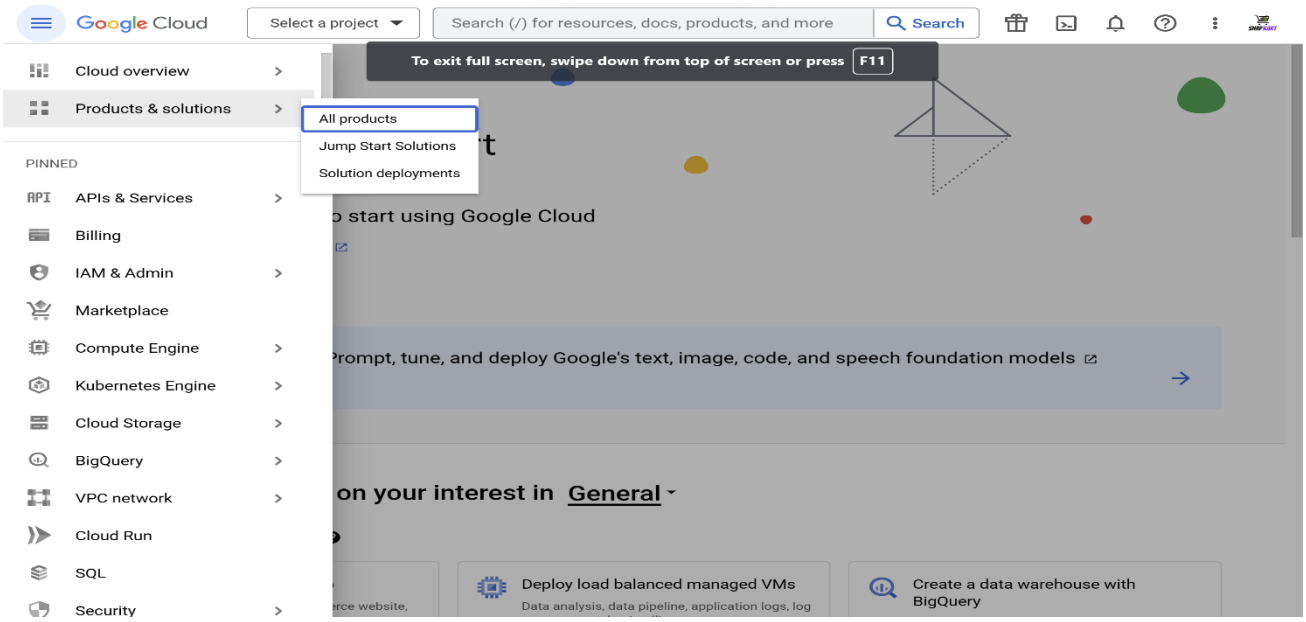


Step2: Click **Console** on Right Top of page

Step3: Accept term and condition, if you are visited first time to GAE.

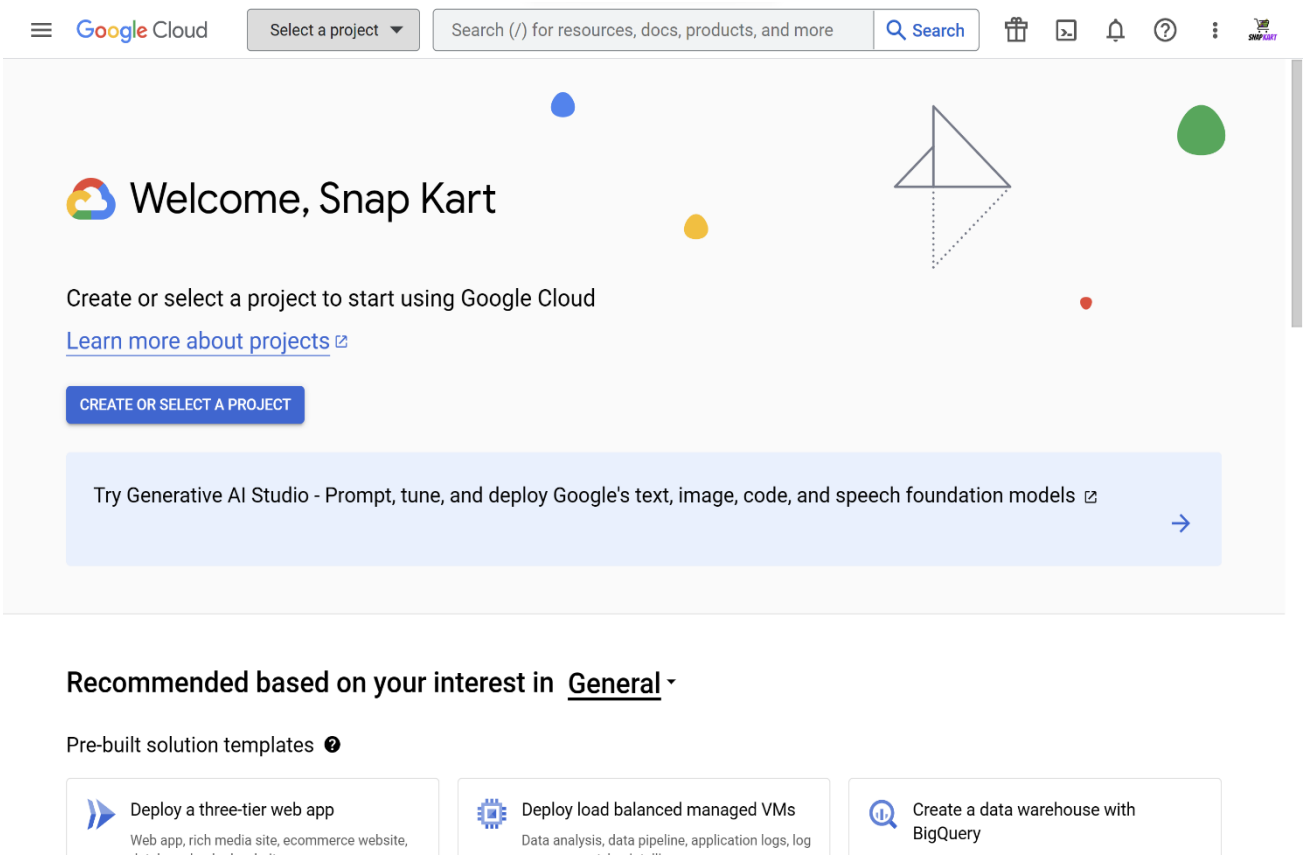


Step4: Click the Navigation menu on Left top Web Page, Choose App Engine



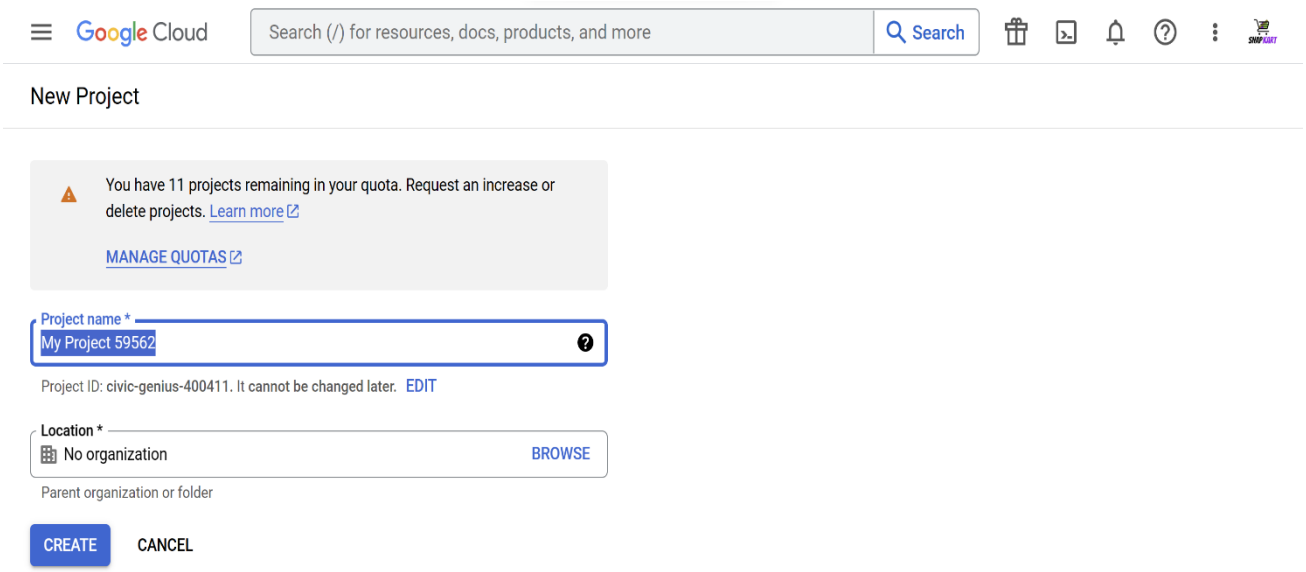
Step5: Choose Dashboard.

Step6: Select Create Project, on Right Top.

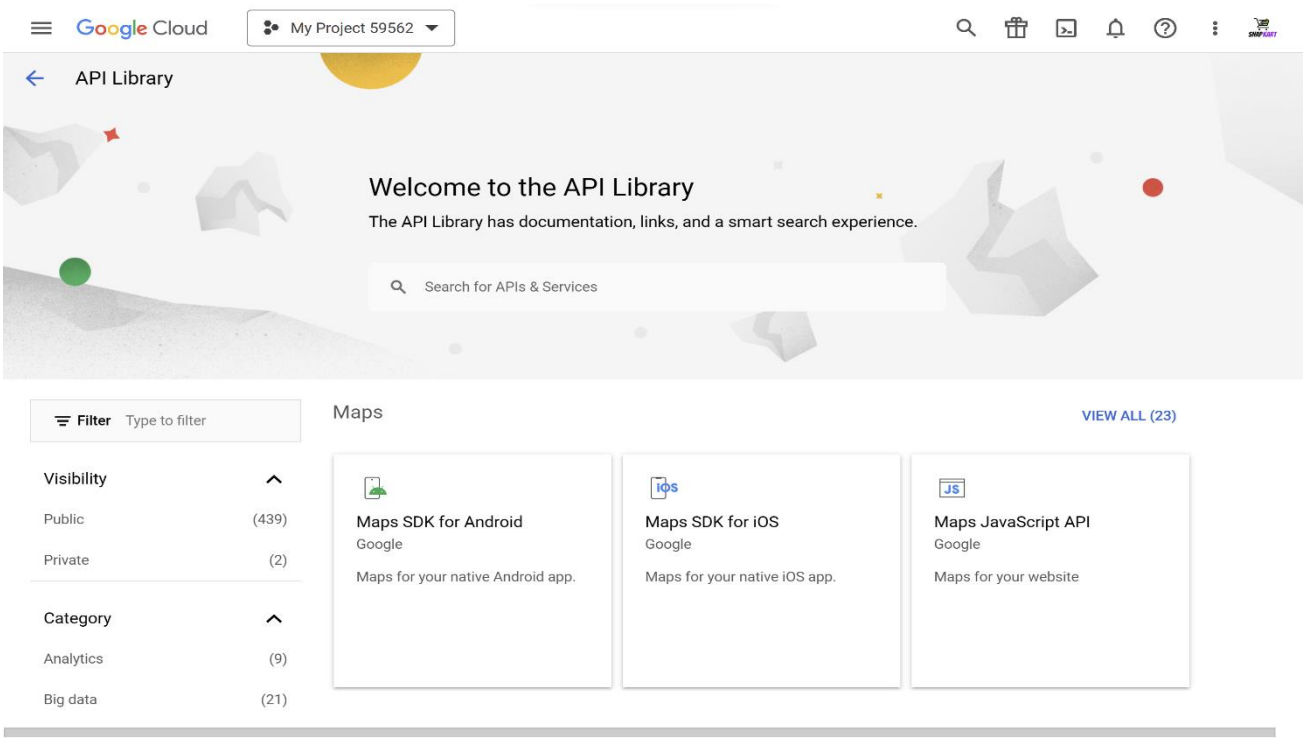


Step7 : Select the Project Name, Location are by default(note the default ProjectName, ID) and Click Create Button.

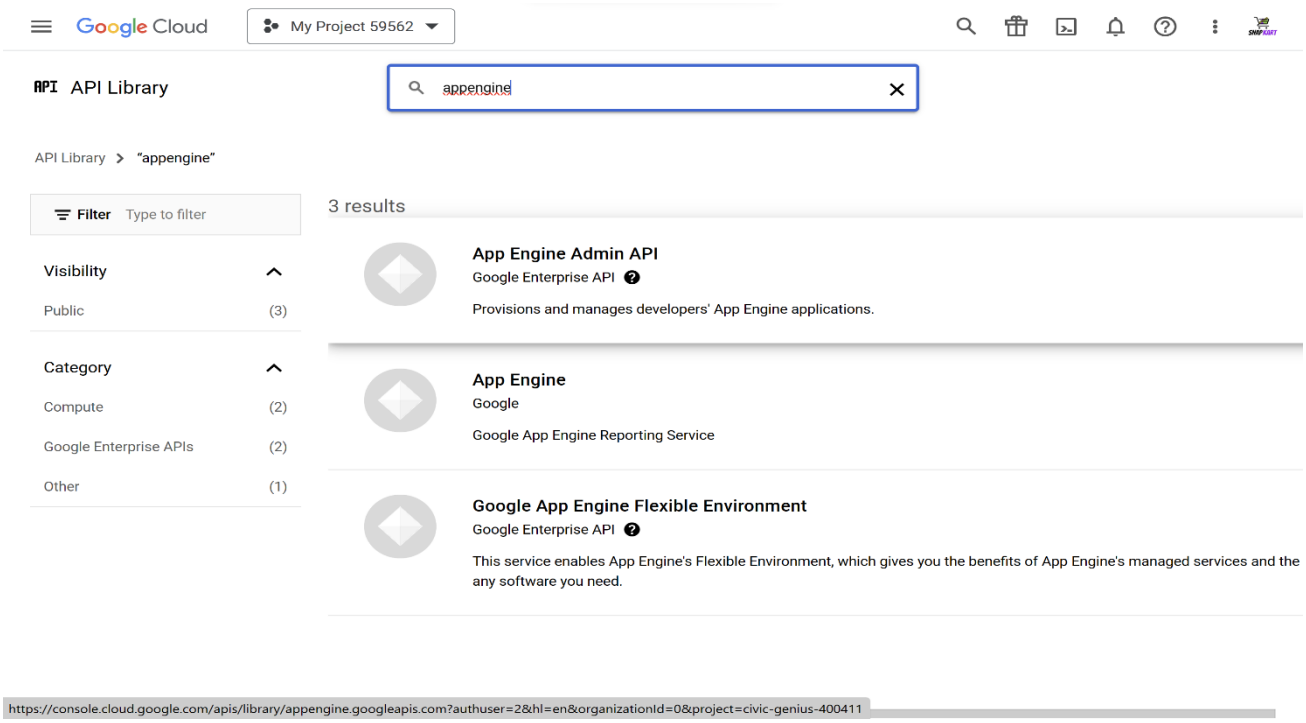
(Note: 12 projects is permitted by Google vendor for free Cloud services)



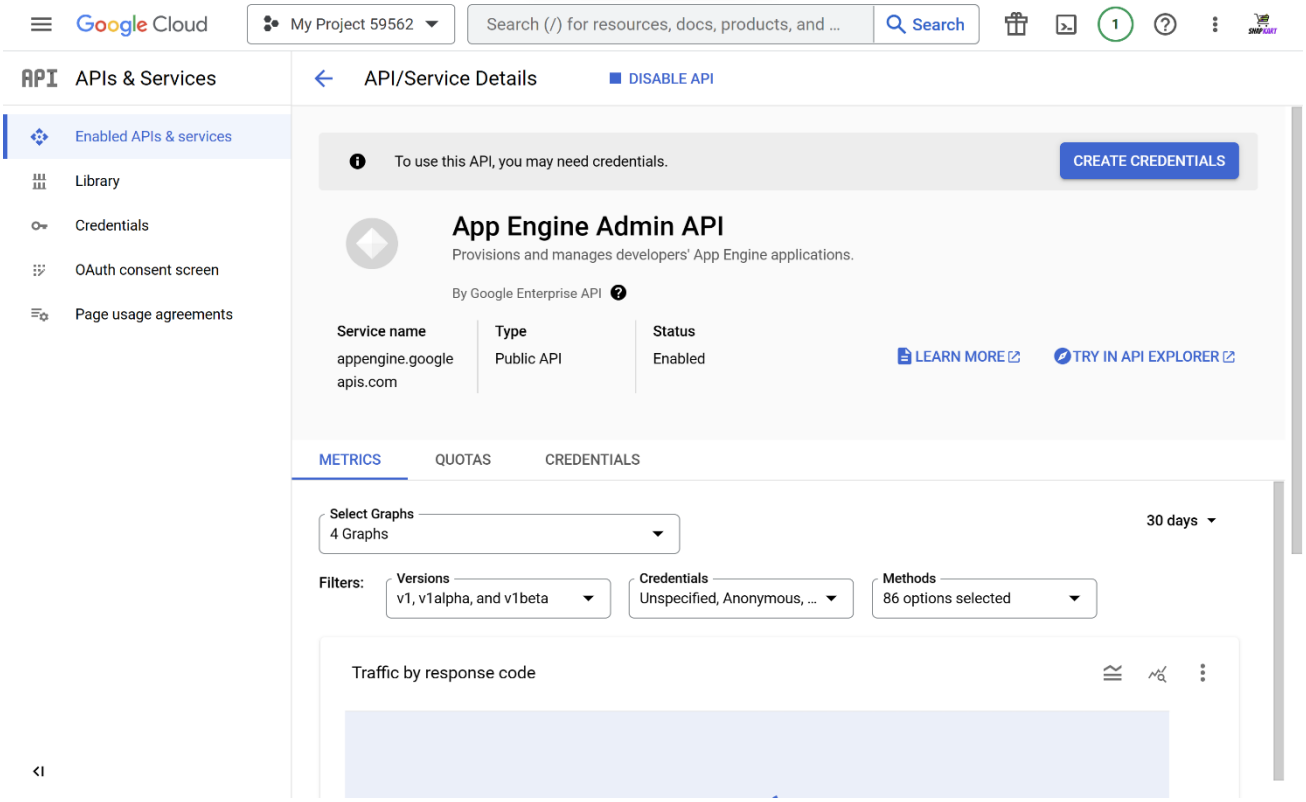
Step 8 : Go to API Library and Search for appengine



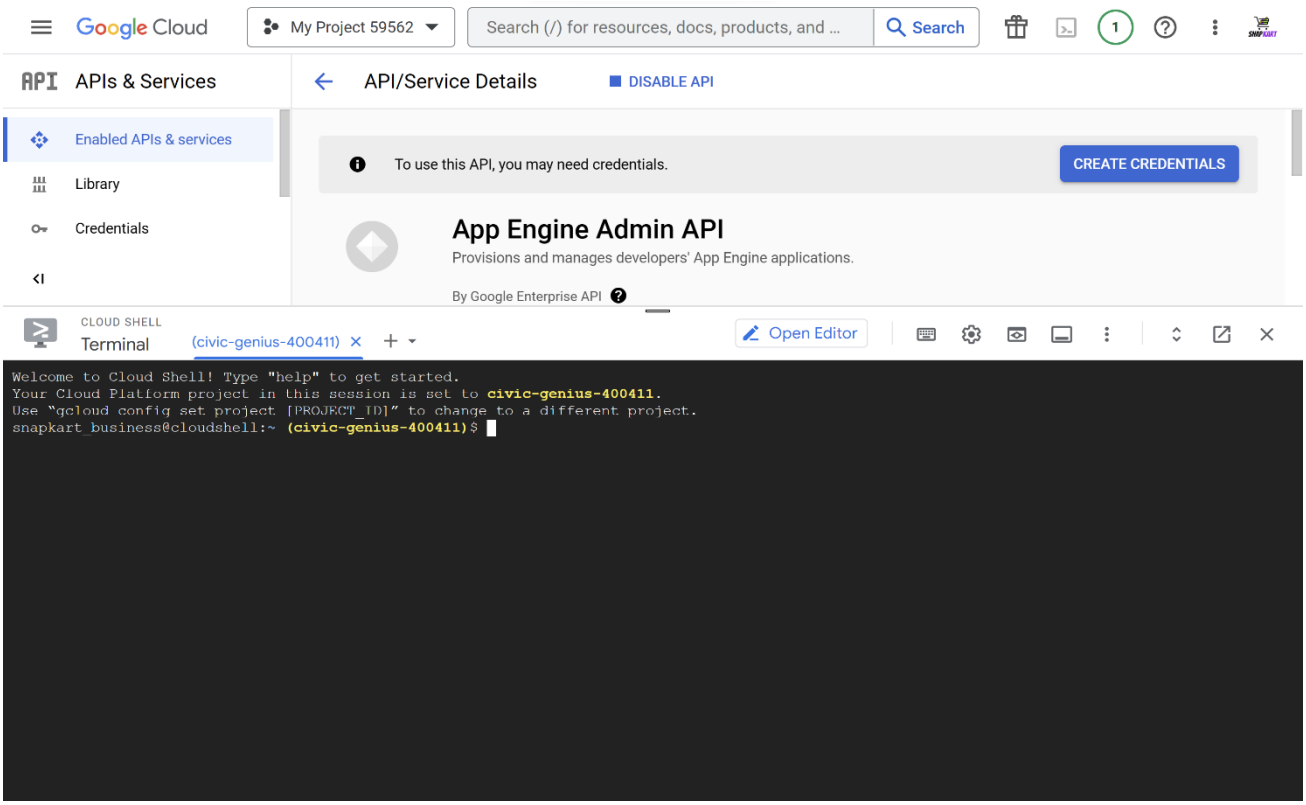
Step 9: Select App Engine Admin API



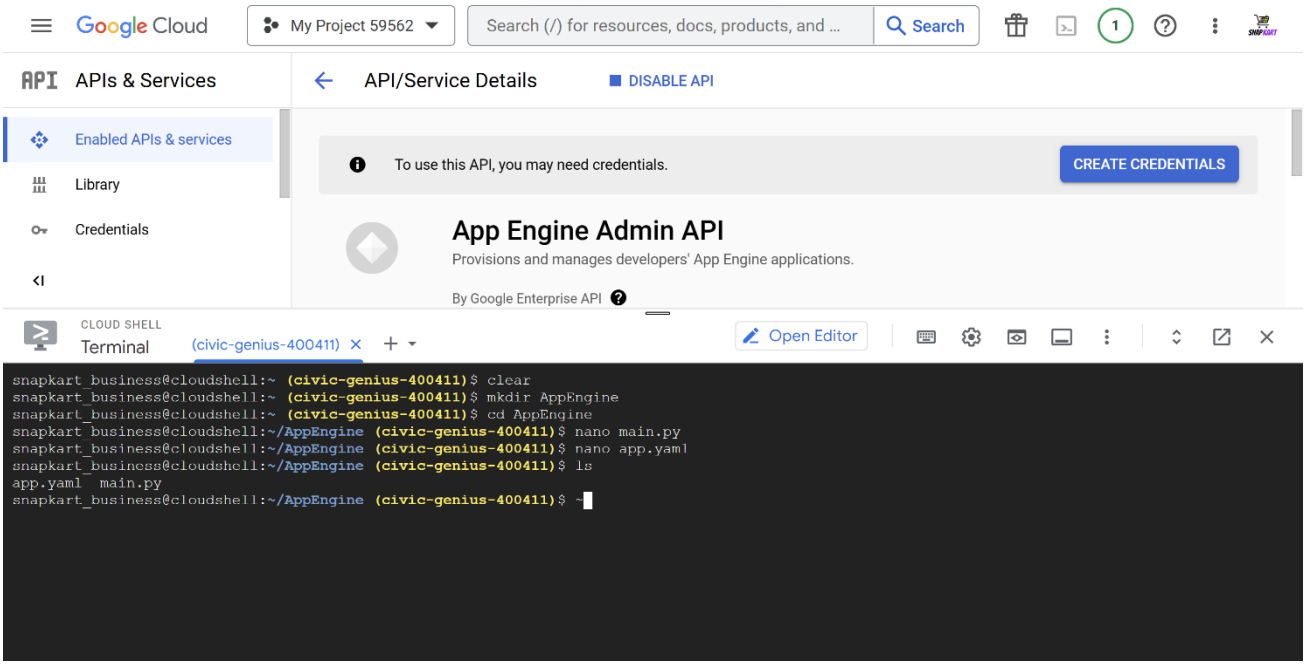
Step 10: Click enable on App Engine Admin API



Step 11: After enabling App Engine Admin API, go to Activate Cloud Shell



Step 12: Create a directory and inside that create main.py(Python File) and app.yaml(Configuration) file.



Step 13: Code for main.py and app.yaml

main.py:

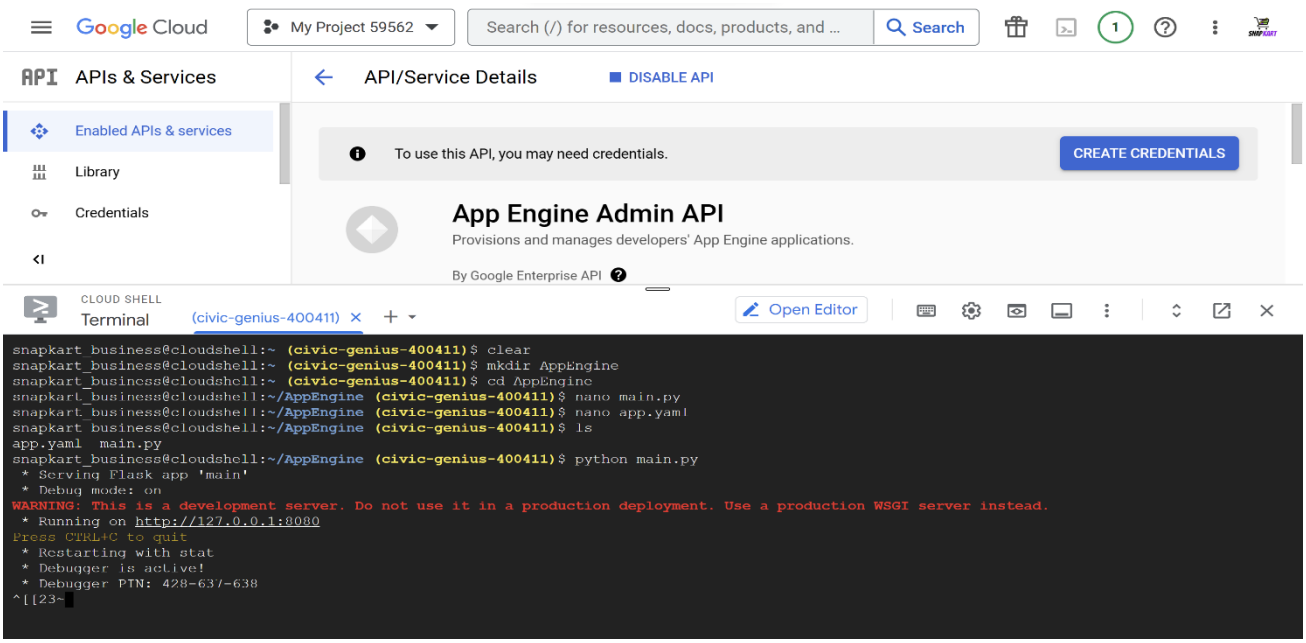
```
from flask import Flask

app = Flask(__name__)

@app.route("/")


def hello():

    return "Hello World!"

if __name__ == "__main__":

    app.run(host="127.0.0.1", port=8080, debug=True)
```

app.yaml :

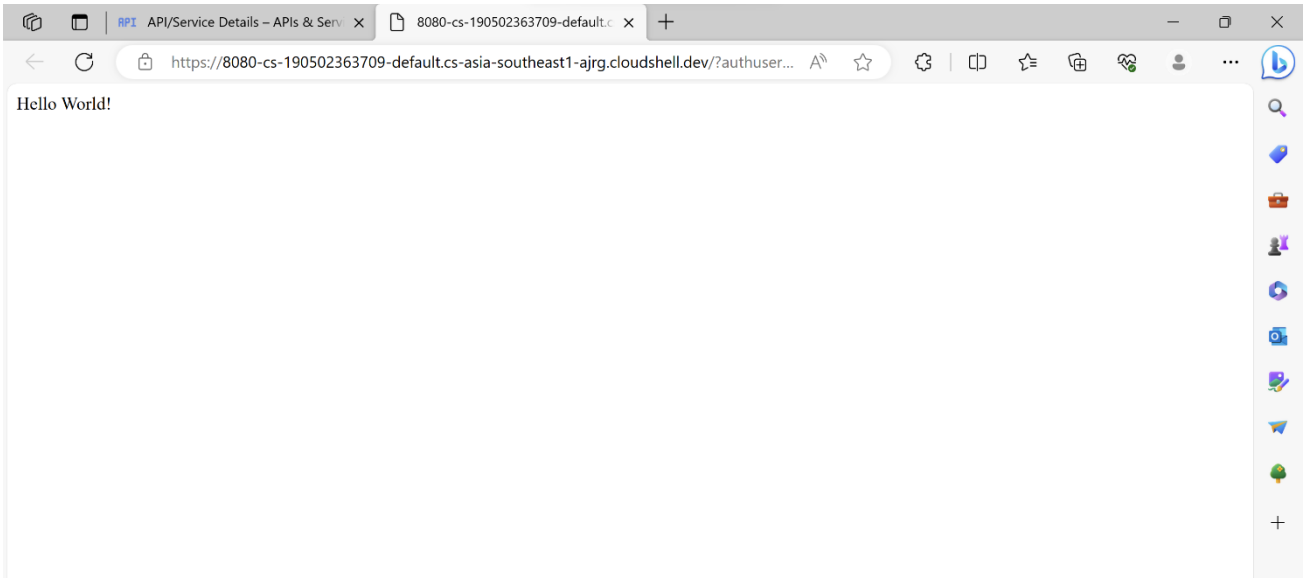
```
runtime: python39
```

Step 14: Finally, run your app in Cloud Shell using the Flask development server.

➔ python main.py



Step 15: Preview your app with "Web preview".(Preview on port 8080)



Step 16: Stop the procedure by Ctrl + C.

Note:

Further, step are Deploy the application & Deleting the application. (if required)

Deploying to App Engine

Disable your application

RESULT:

Thus the GAE is installed and executed the hello world application.