Google cloud platform project

Deploy your flask app on Google Cloud (App Engine)

by Abdulrahman Bawazeer

Guidelines:

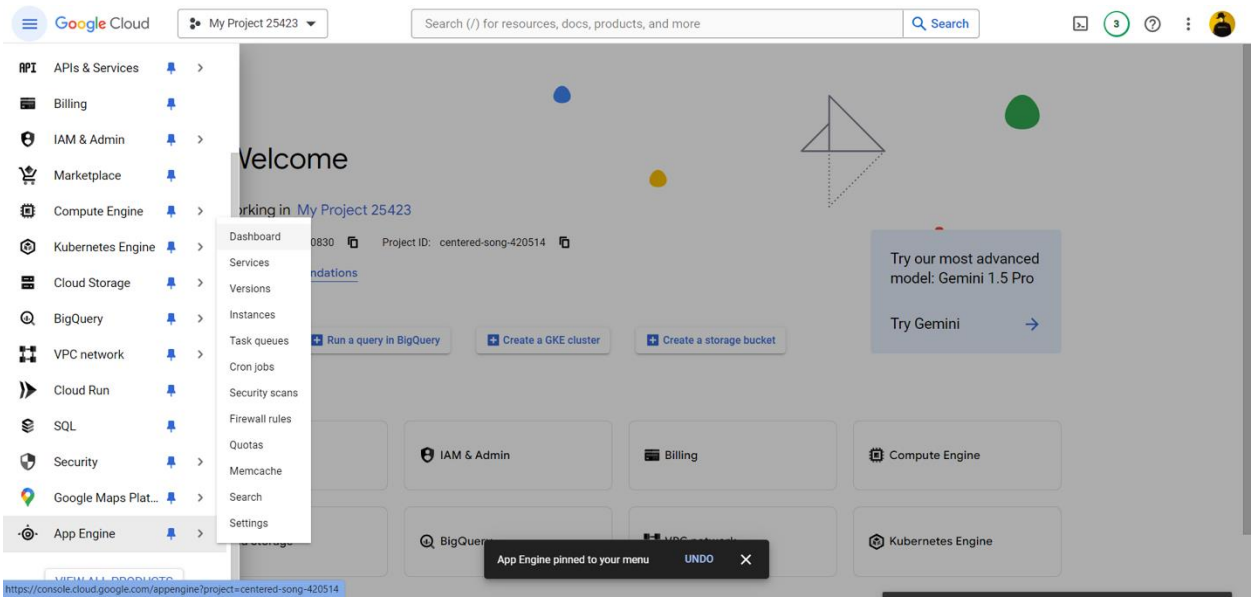
- First make your own GCP account.
- second after you make your account go to app engine and

create your application

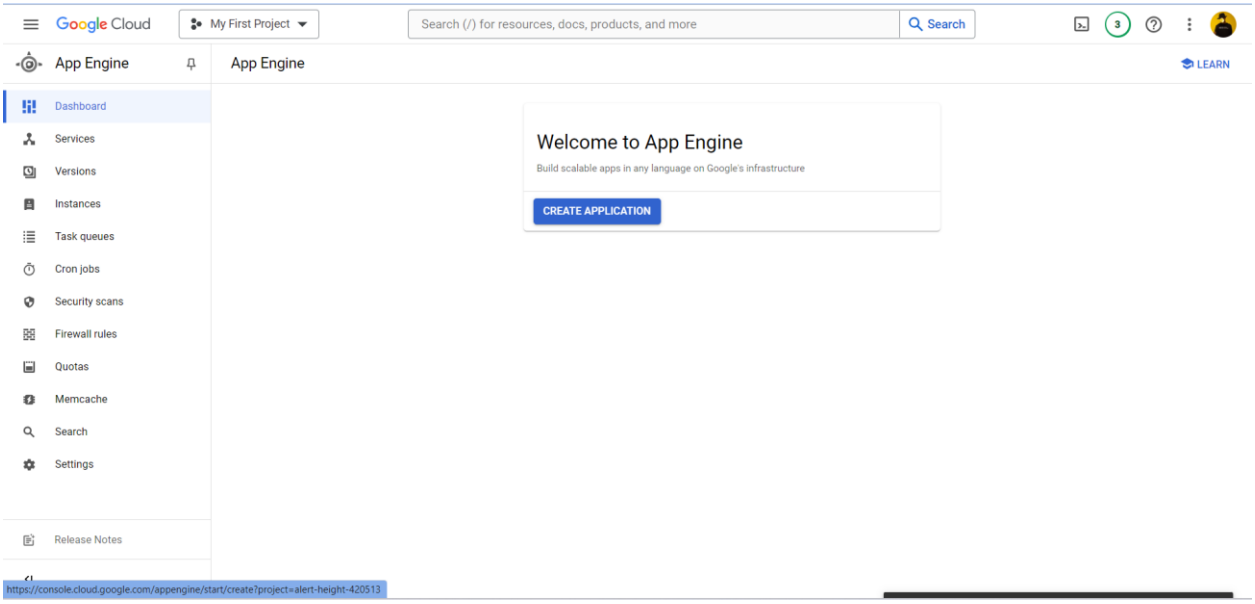
- third deploying your flask app

App Engine settings:

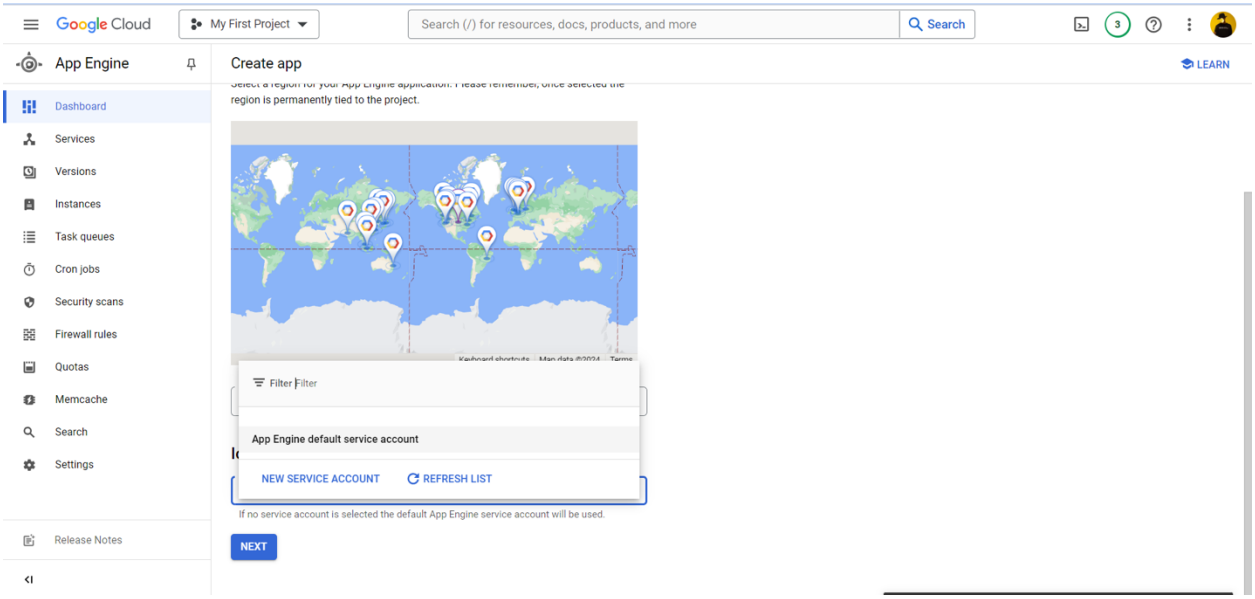
here you make your first application.



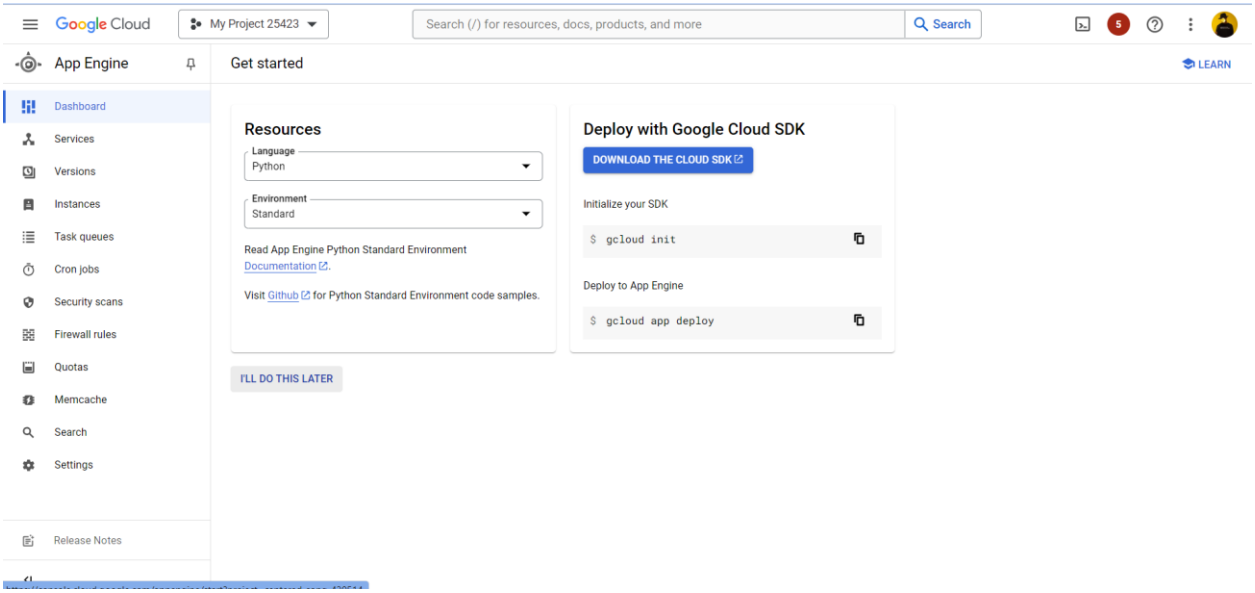
And click on create.



The application settings.

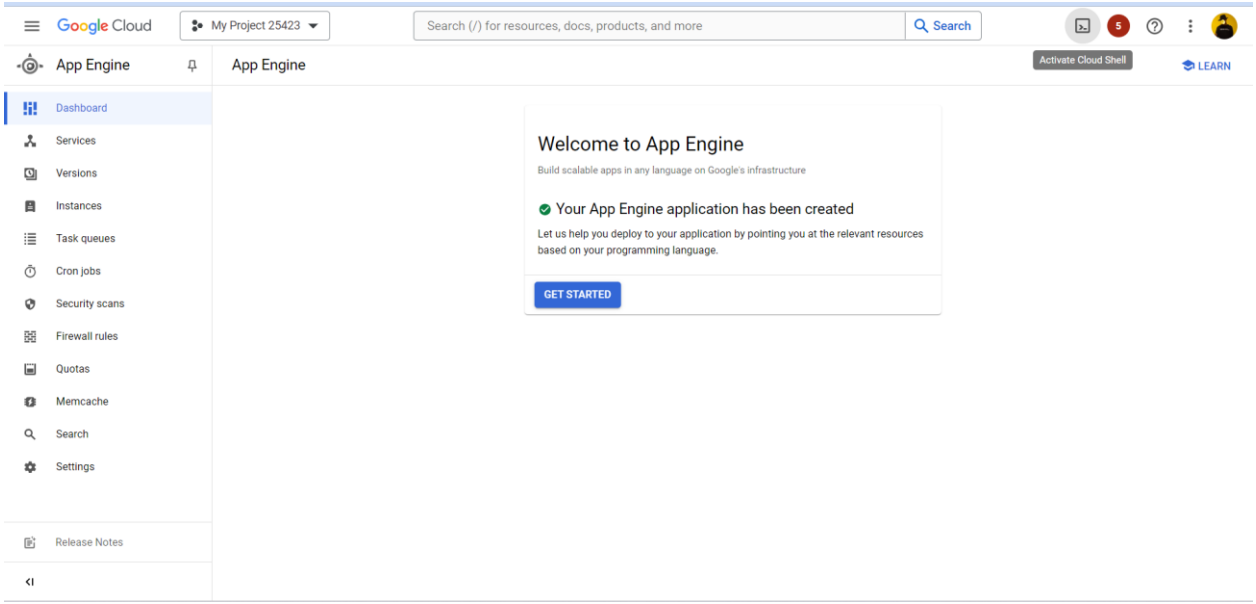


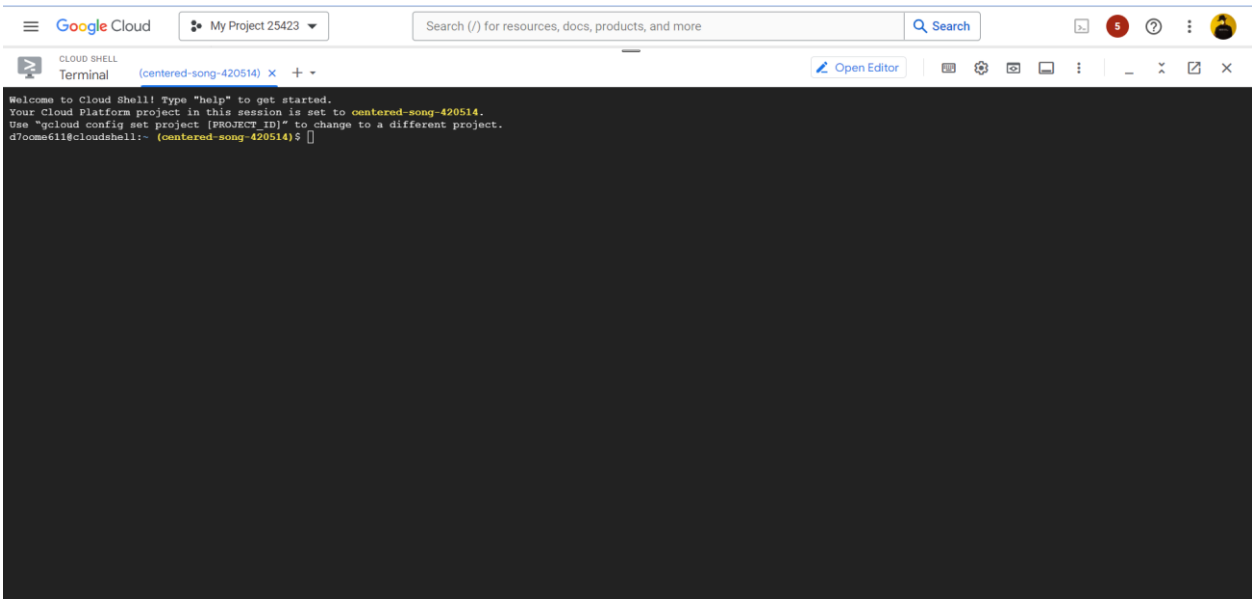
Choose the API access.



Cloud Shell:

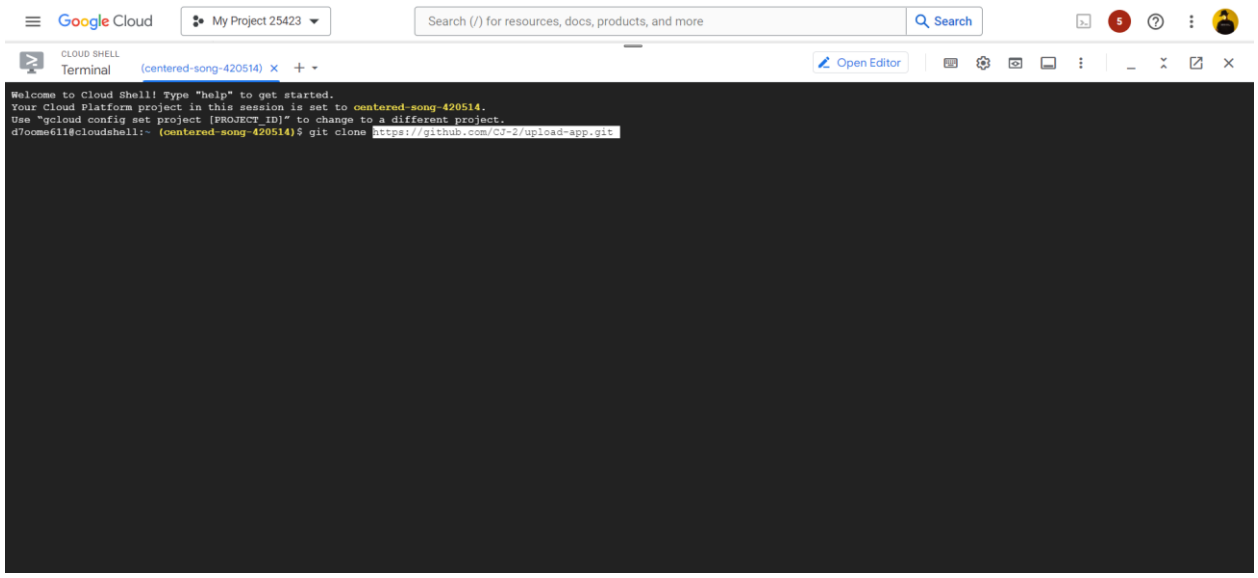
After we create our first application





After we open the shell cmd:

git clone https://github.com/CJ-2/upload-app.git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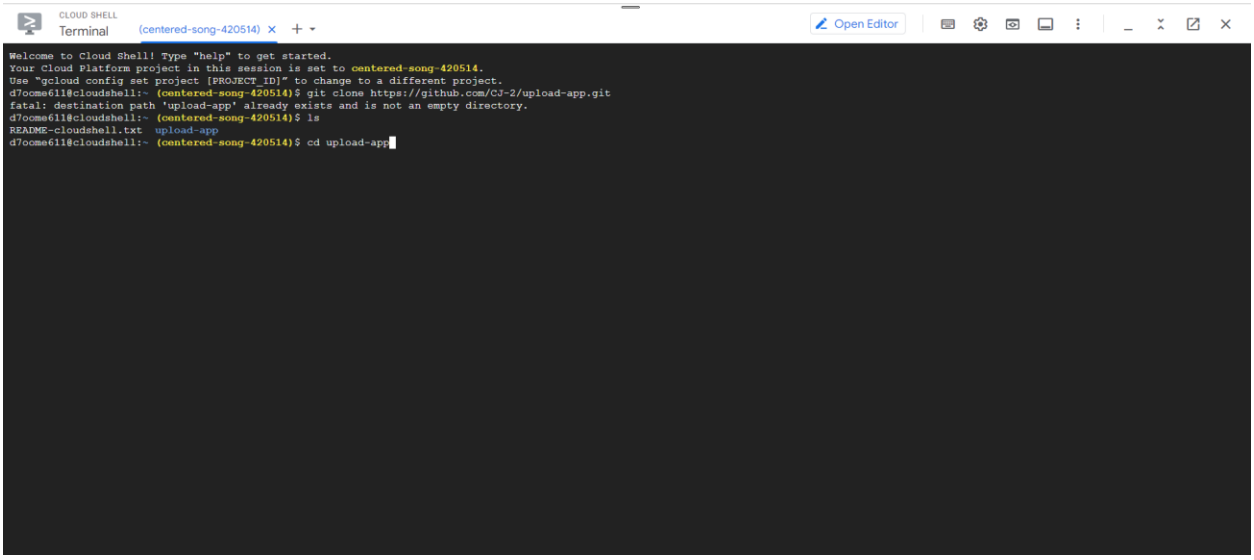
CLOUD SHELL
Terminal
(centered-song-420514)
Open Editor
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to centered-song-420514.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
d7ocme611@cloudshell:~ (centered-song-420514)$ git clone https://github.com/CJ-2/upload-app.git

cmd: ls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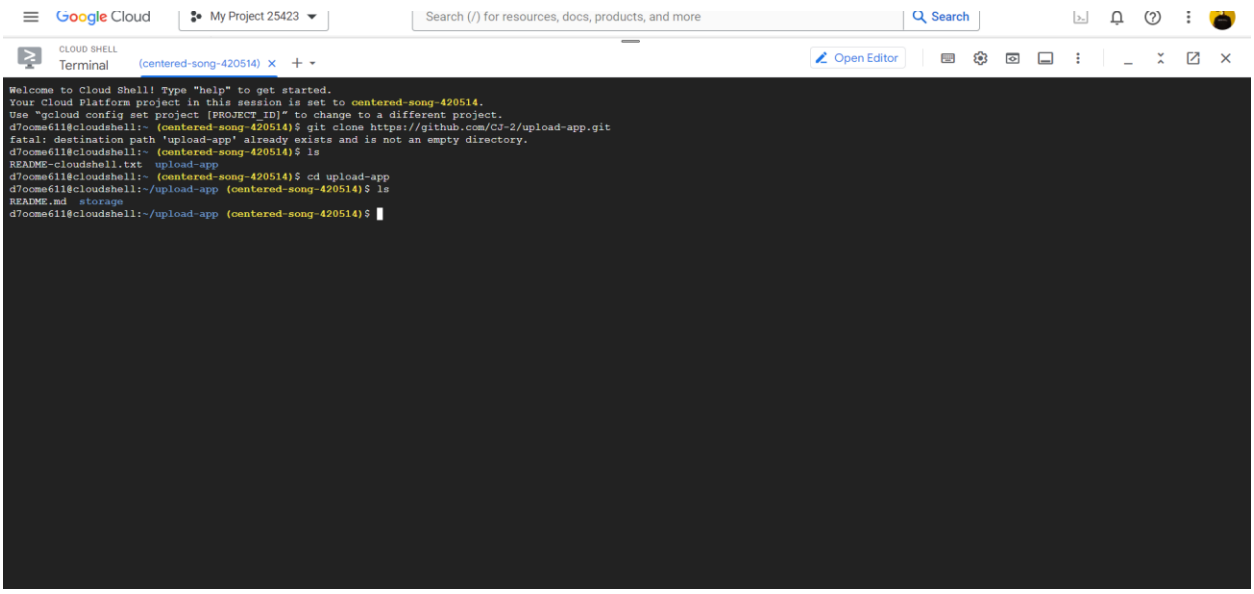
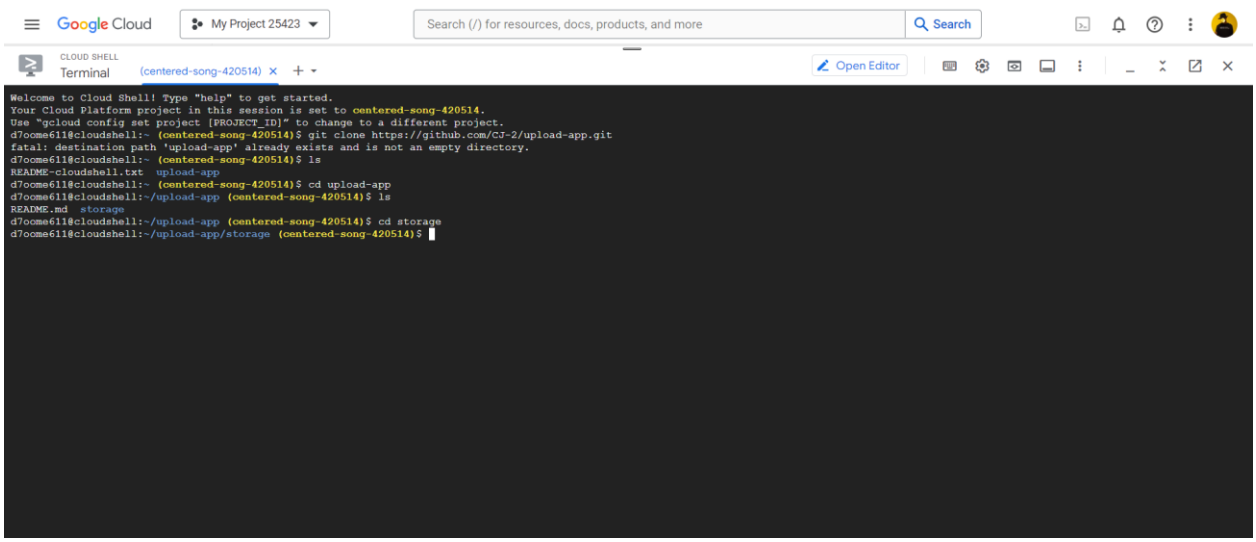
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to centered-song-420514.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
d7ocme611@cloudshell:~ (centered-song-420514)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
d7ocme611@cloudshell:~ (centered-song-420514)$ ls
README-cloudshell.txt upload-app
d7ocme611@cloudshell:~ (centered-song-420514)$ cd upload-app

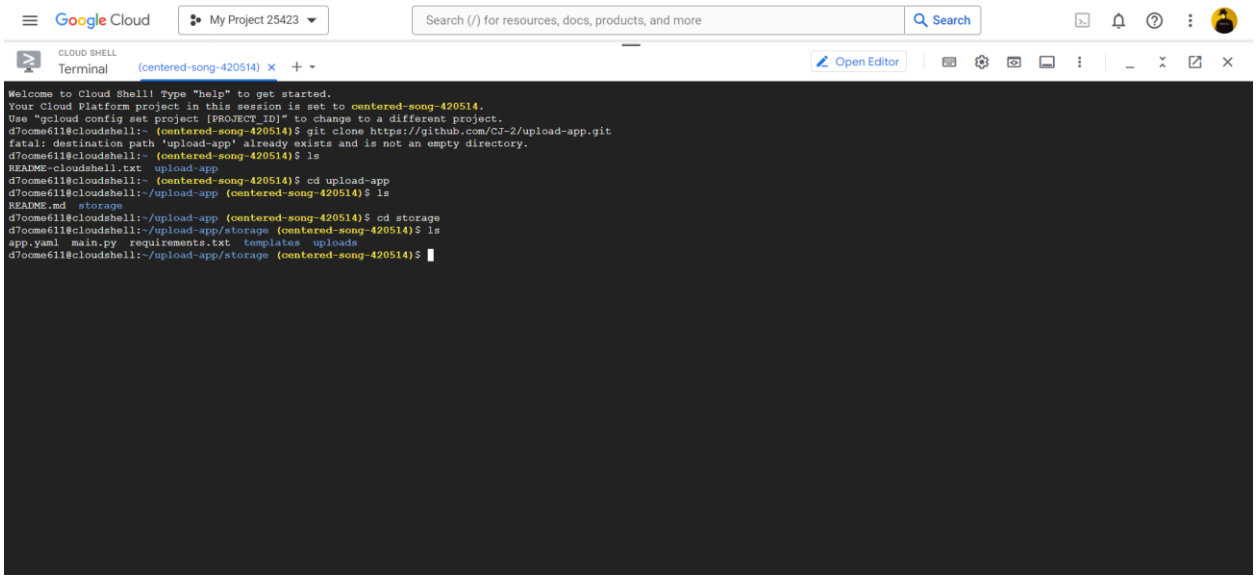
cmd: cd upload-app



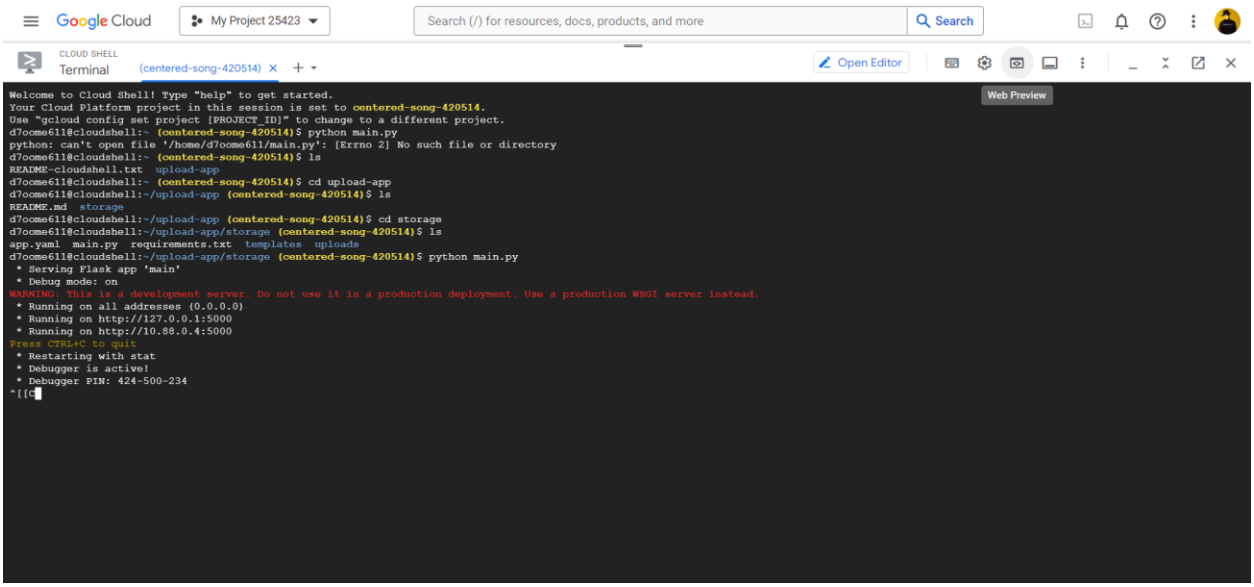
cmd: ls



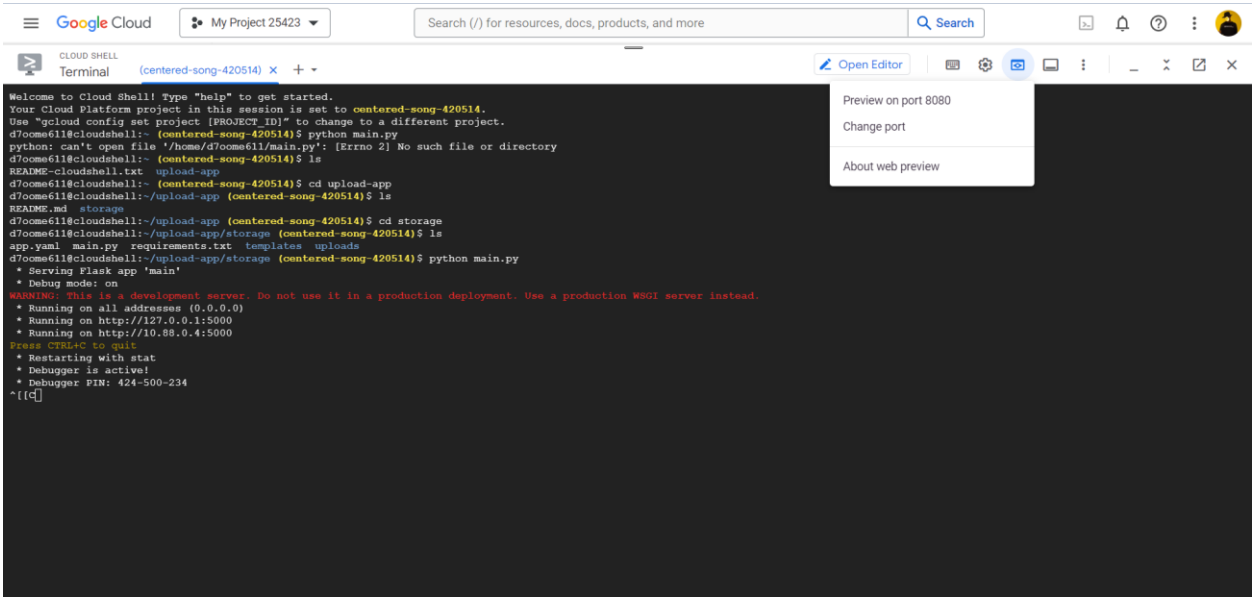
cmd: cd storage

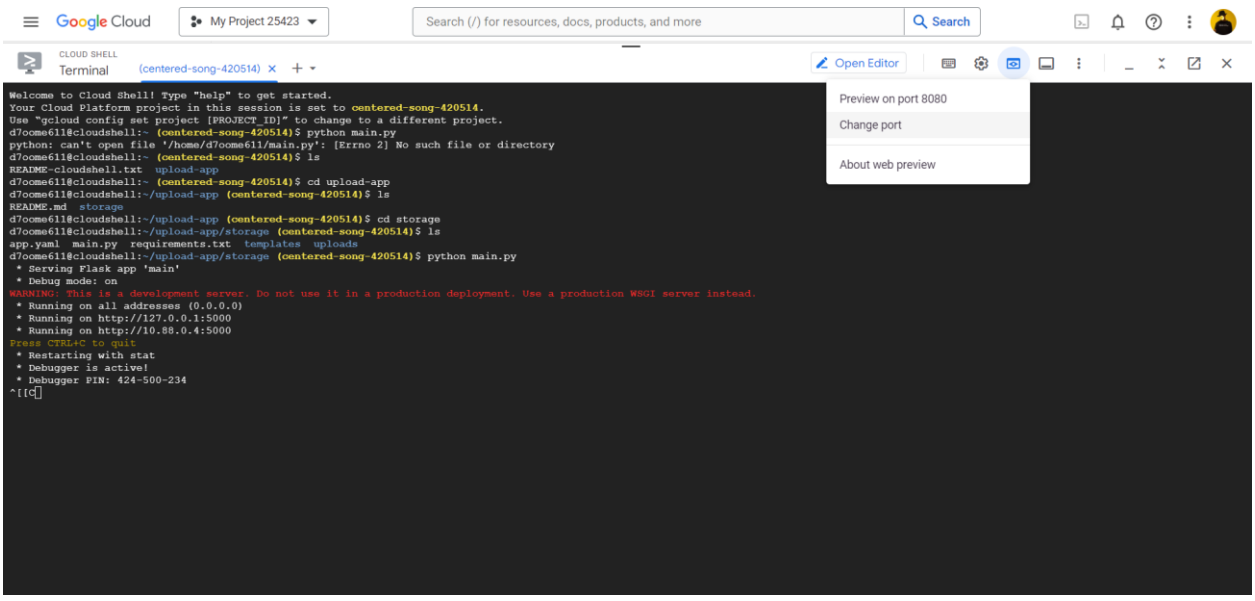


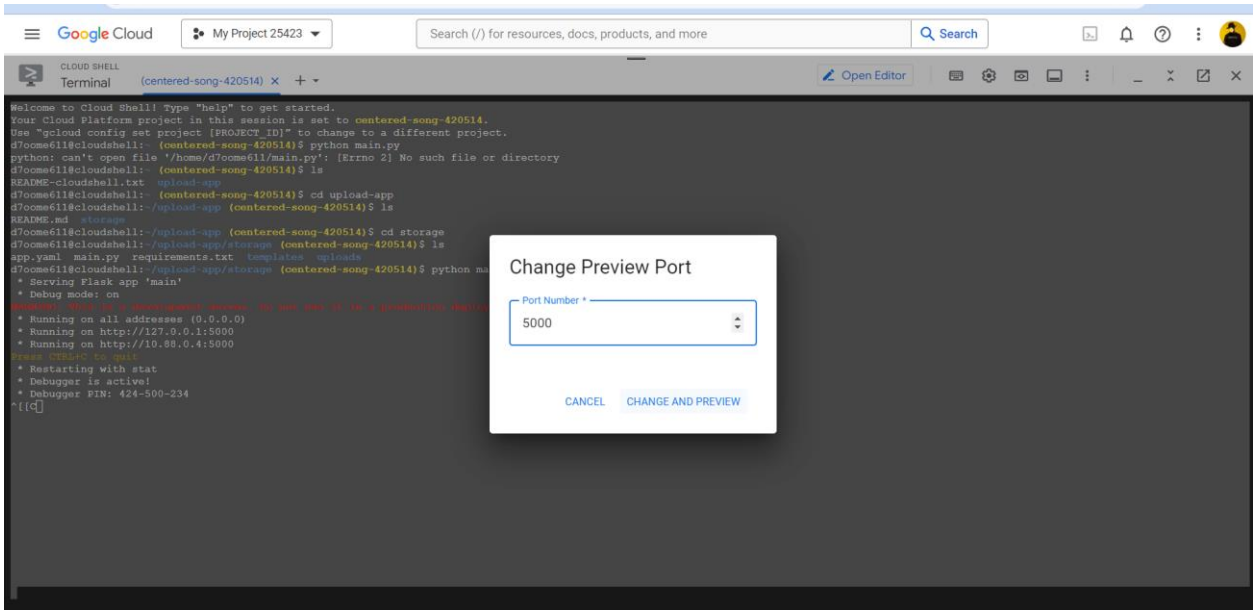
cmd: ls

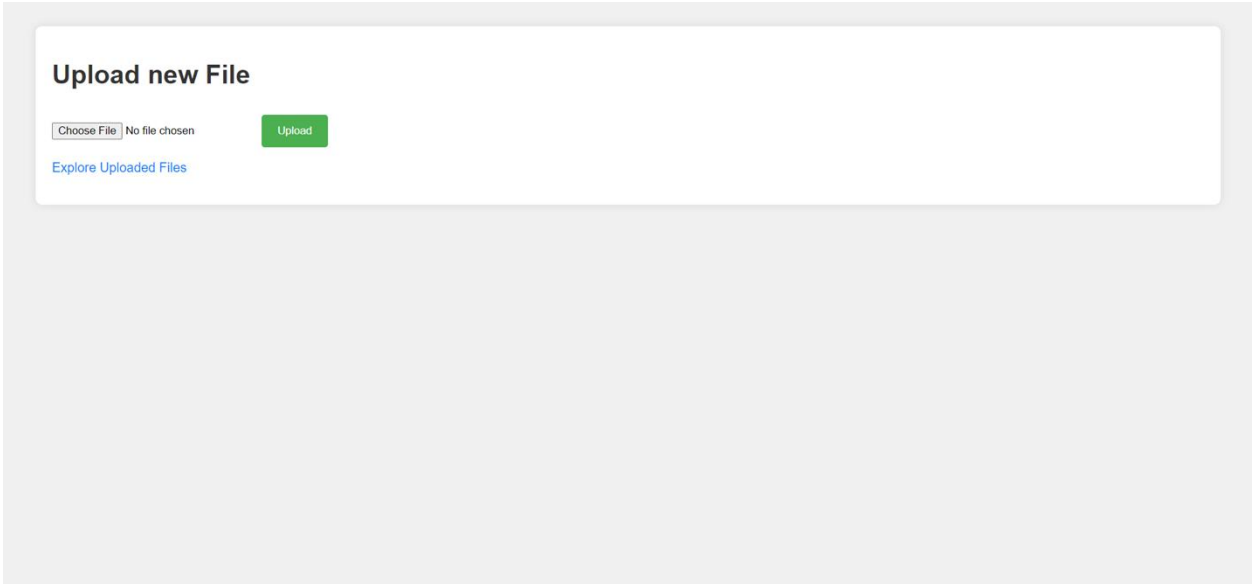


cmd: python main.py

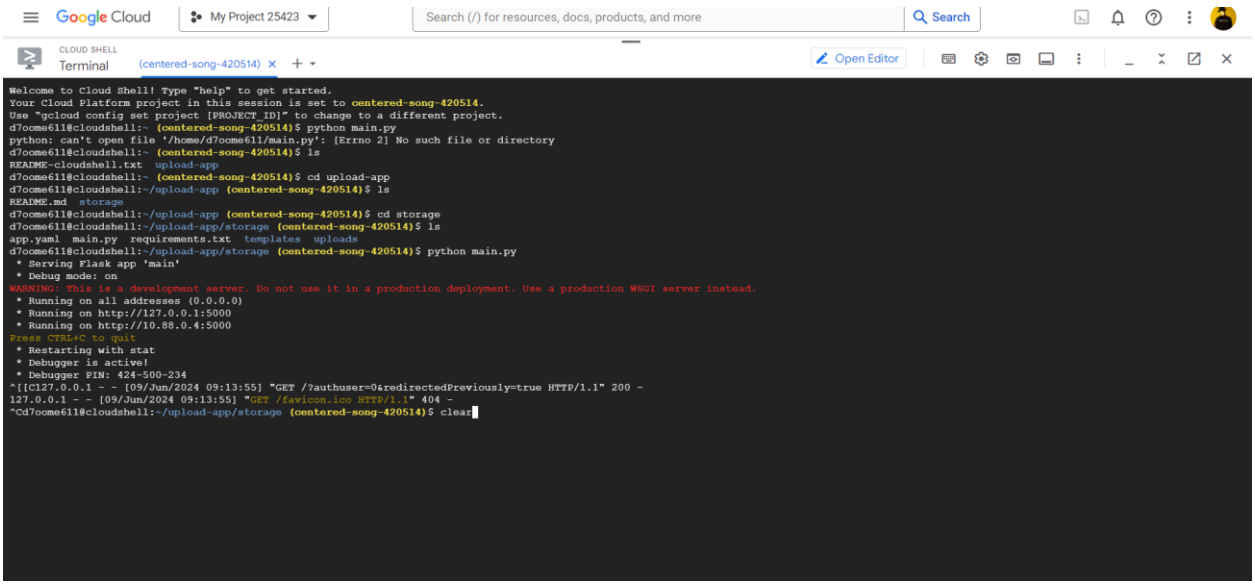








Return to shell and cmd: CTRL+C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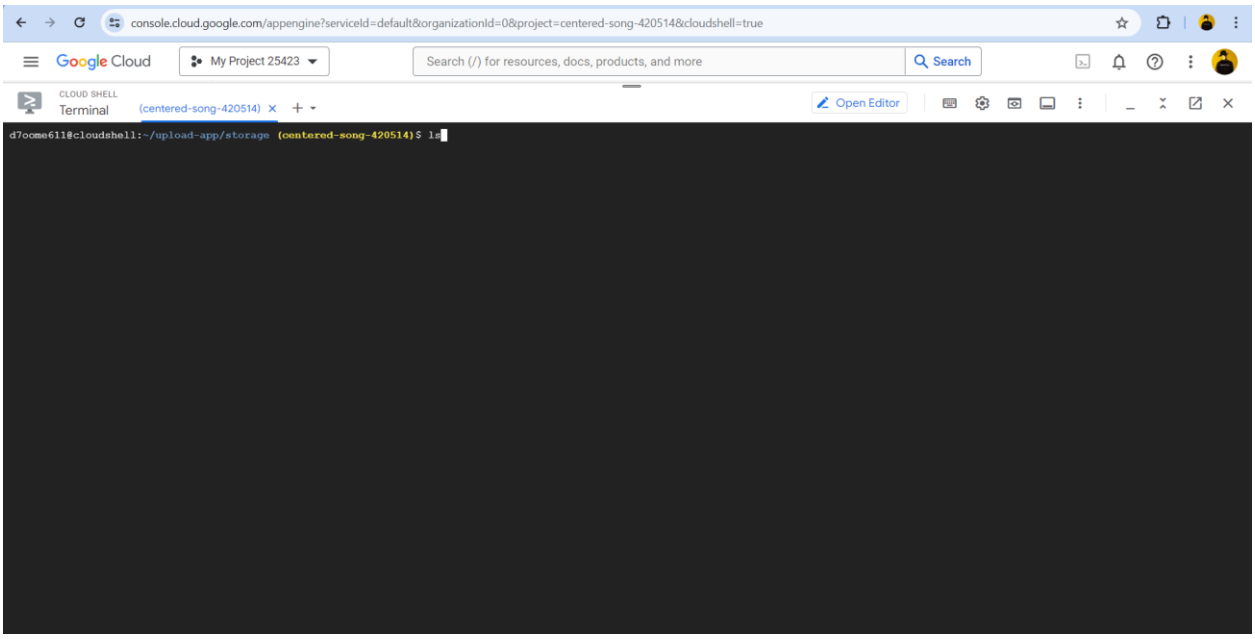
Open Editor
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to centered-song-420514.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
d7oome611@cloudshell:~ (centered-song-420514)$ python main.py
python: can't open file '/home/d7oome611/main.py': [Errno 2] No such file or directory
d7oome611@cloudshell:~ (centered-song-420514)$ ls
README-cloudshell.txt upload-app
d7oome611@cloudshell:~ (centered-song-420514)$ cd upload-app
d7oome611@cloudshell:~/upload-app (centered-song-420514)$ ls
README.md storage
d7oome611@cloudshell:~/upload-app (centered-song-420514)$ cd storage
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ ls
app.yaml main.py requirements.txt templates uploads
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ python main.py
* Serving Flask app 'main'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://10.88.0.4:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 424-500-234
^[[C127.0.0.1 - - [09/Jun/2024 09:13:55] "GET /?authuser=0&redirectedPreviously=true HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2024 09:13:55] "GET /favicon.ico HTTP/1.1" 404 -
^Cd7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ clear

cmd: clear


console.cloud.google.com/appengine?serviceId=default&organizationId=0&project=centered-song-420514&cloudshell=true
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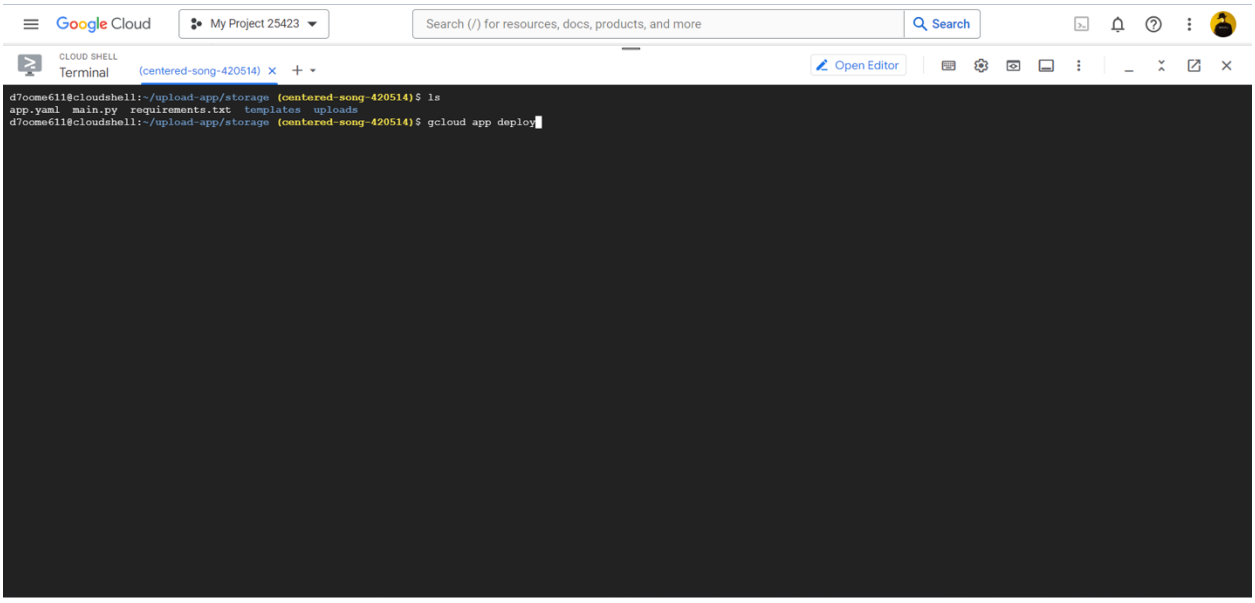
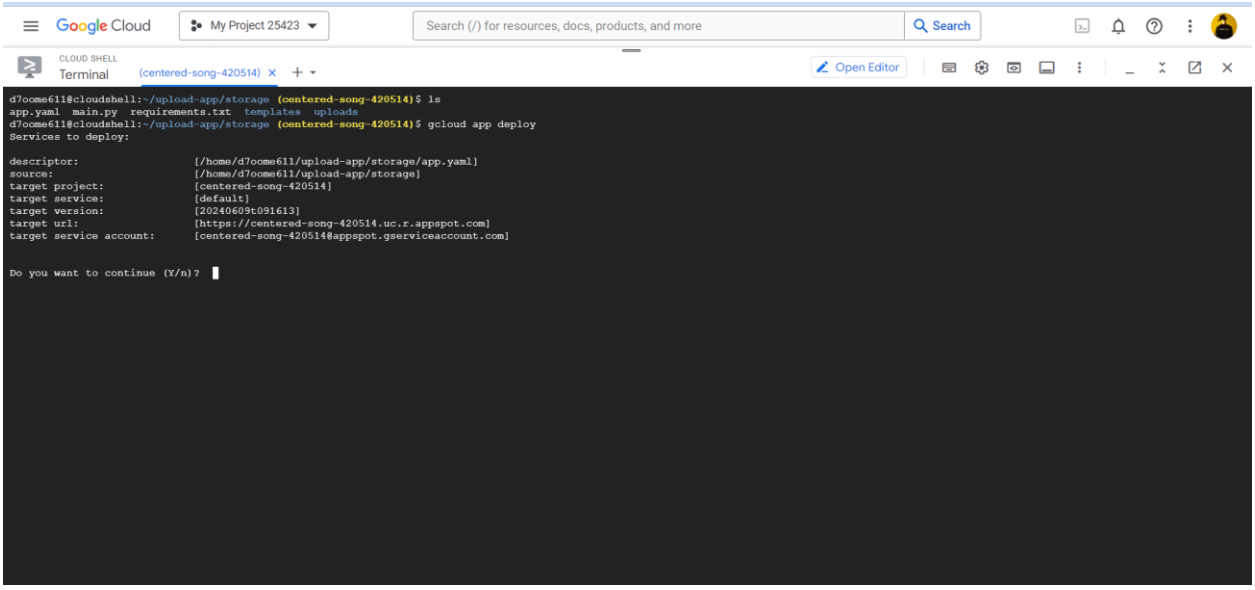
Open Editor
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ ls

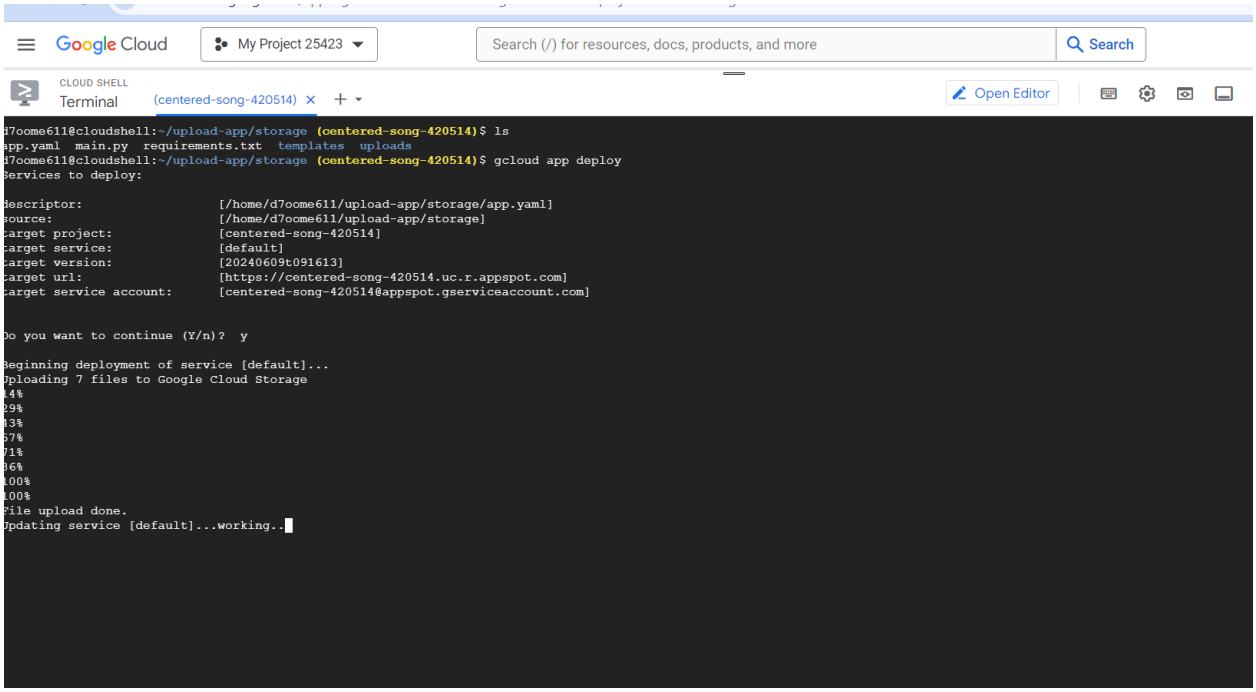
cmd: ls



cmd: gcloud app deploy



cmd: enter y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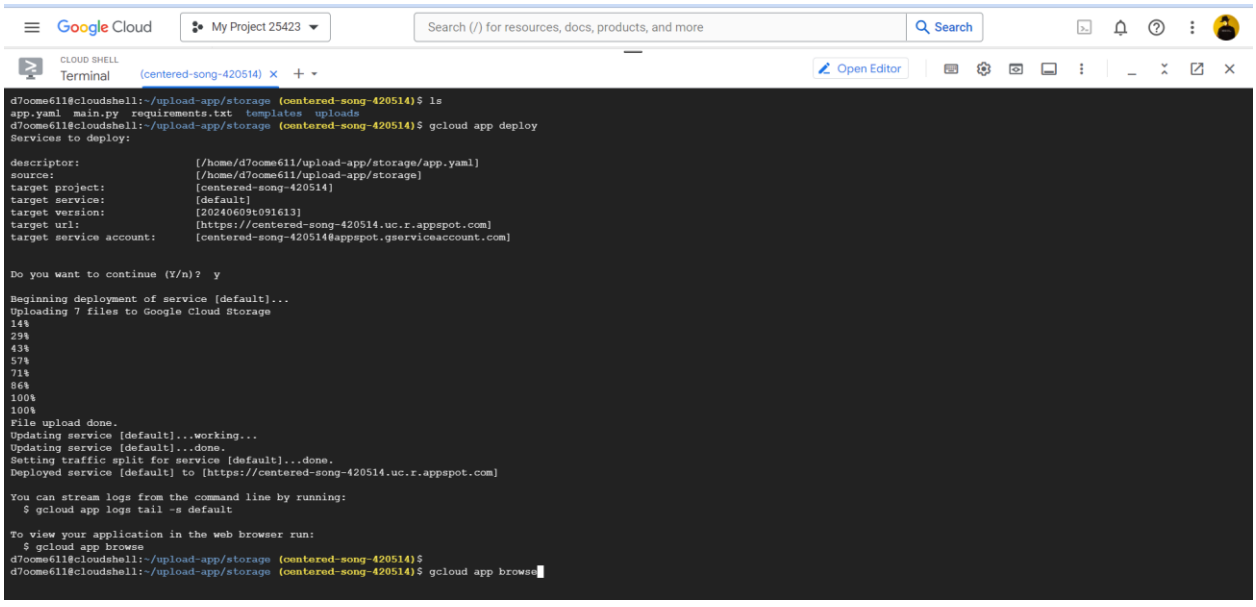
Terminal
(centered-song-420514)
Open Editor
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ ls
app.yaml main.py requirements.txt templates uploads
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ gcloud app deploy
Services to deploy:
descriptor: [/home/d7oome611/upload-app/storage/app.yaml]
source: [/home/d7oome611/upload-app/storage]
target project: [centered-song-420514]
target service: [default]
target version: [20240609t091613]
target url: [https://centered-song-420514.uc.r.appspot.com]
target service account: [centered-song-420514@appspot.gserviceaccount.com]
Do you want to continue (Y/n)? y
Beginning deployment of service [default]...
Uploading 7 files to Google Cloud Storage
14%
29%
43%
57%
71%
86%
100%
100%
File upload done.
Updating service [default]...working..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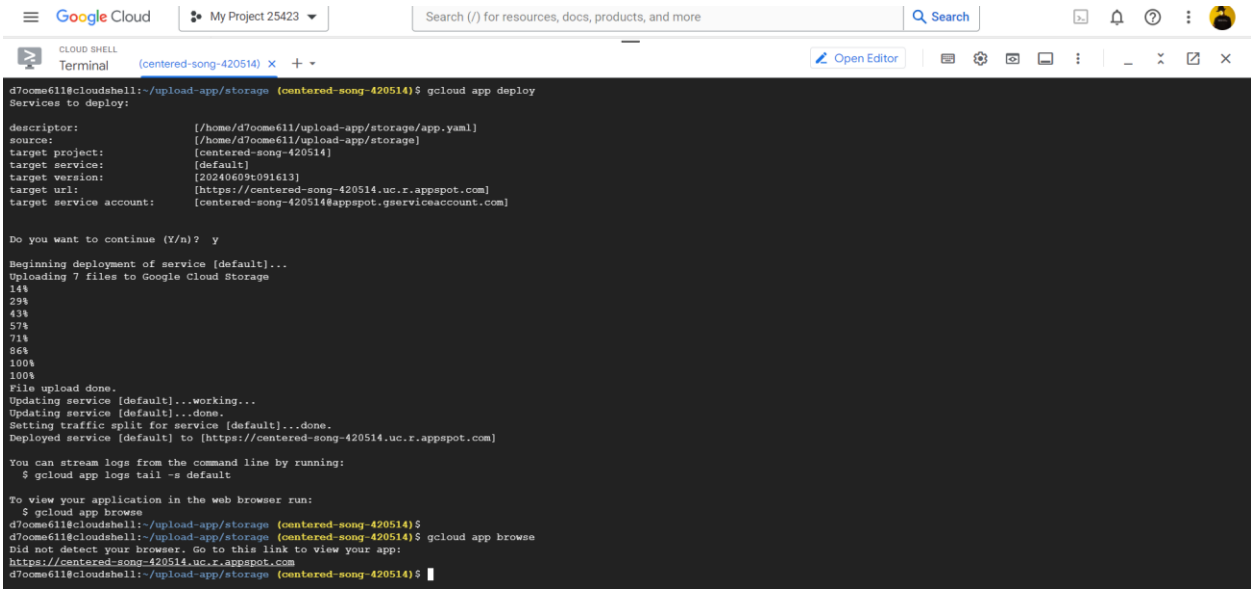
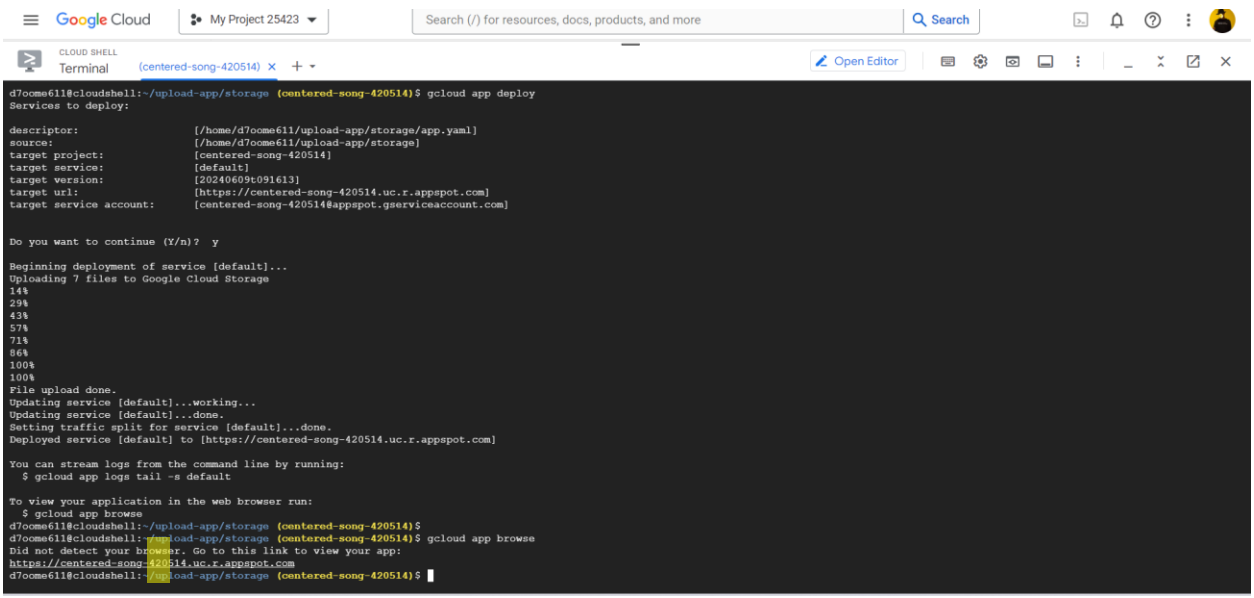
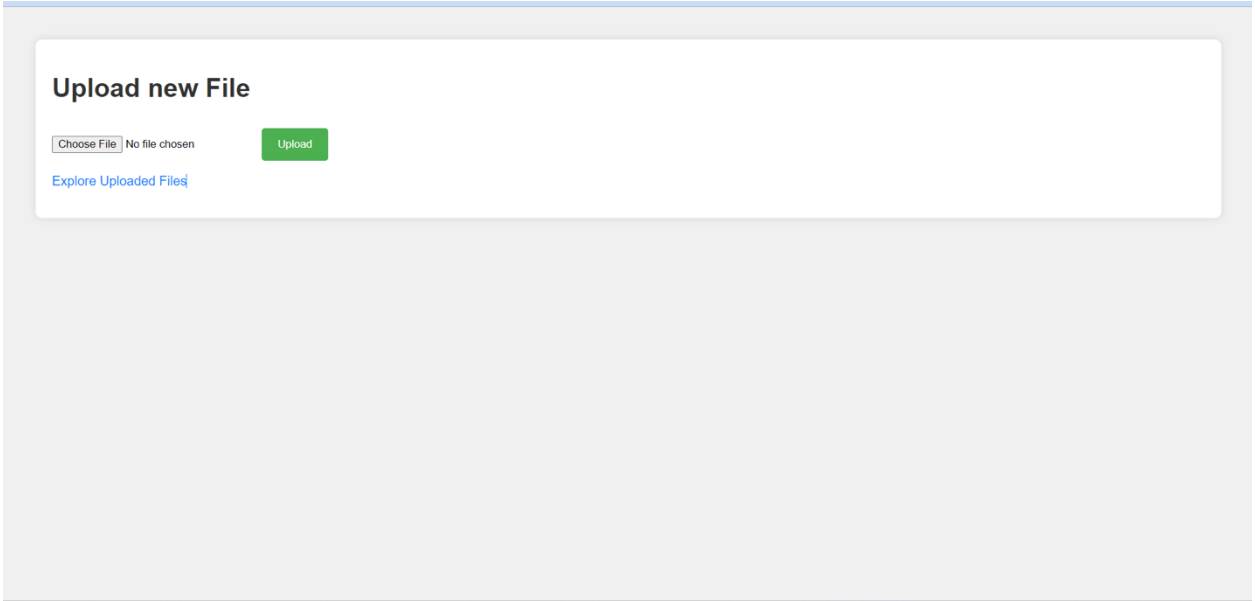
Terminal
(centered-song-420514)
Open Editor
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ ls
app.yaml main.py requirements.txt templates uploads
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ gcloud app deploy
Services to deploy:
descriptor: [/home/d7oome611/upload-app/storage/app.yaml]
source: [/home/d7oome611/upload-app/storage]
target project: [centered-song-420514]
target service: [default]
target version: [20240609t091613]
target url: [https://centered-song-420514.uc.r.appspot.com]
target service account: [centered-song-420514@appspot.gserviceaccount.com]
Do you want to continue (Y/n)? y
Beginning deployment of service [default]...
Uploading 7 files to Google Cloud Storage
14%
29%
43%
57%
71%
86%
100%
100%
File upload done.
Updating service [default]...working...
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://centered-song-420514.uc.r.appspot.com]
You can stream logs from the command line by running:
$ gcloud app logs tail -s default
To view your application in the web browser run:
$ gcloud app browse
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$
d7oome611@cloudshell:~/upload-app/storage (centered-song-420514)$ gcloud app browse



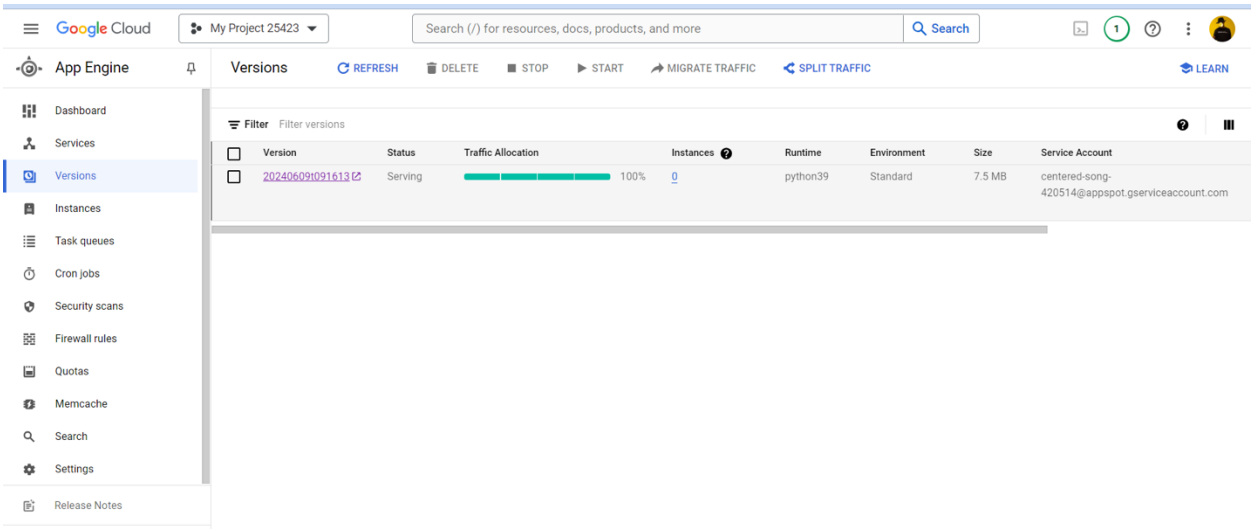
cmd: gcloud app browse



And now your app is deployed congratulations.



Go back to dashboard and select Versions.



I hope that the project will help you.