



Google Cloud Platform project

Deploy your flask app on Google Cloud
(App Engine)

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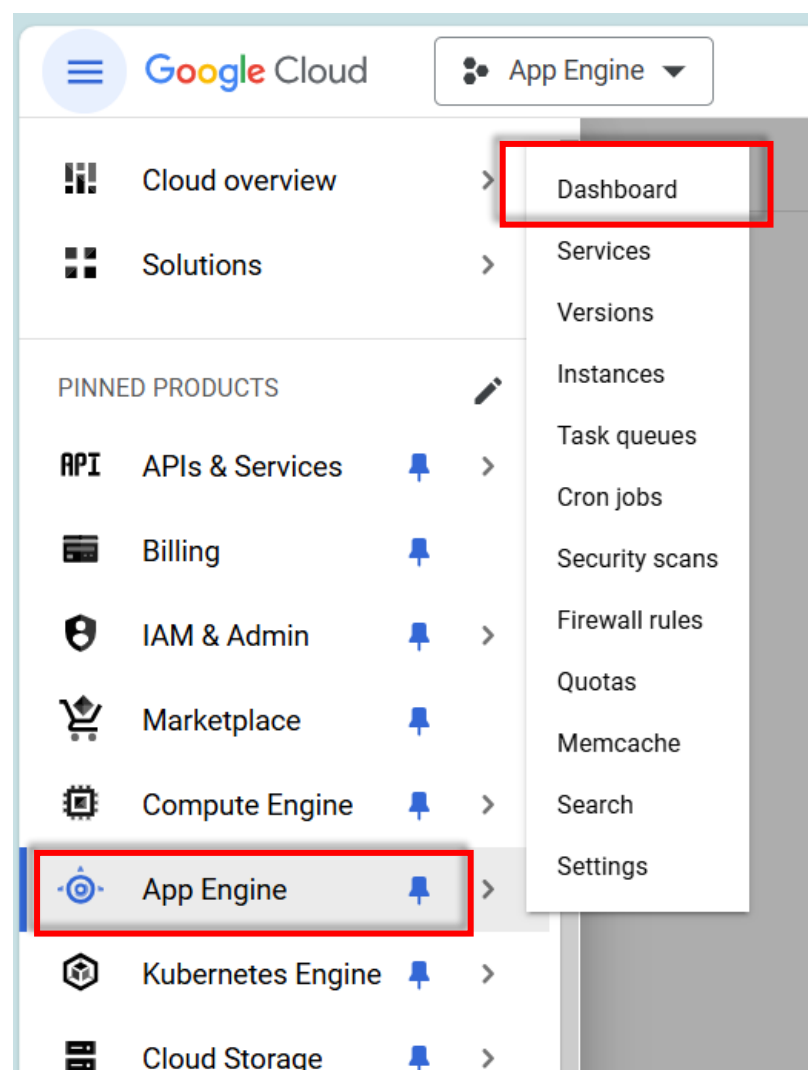
Guidelines:

- 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

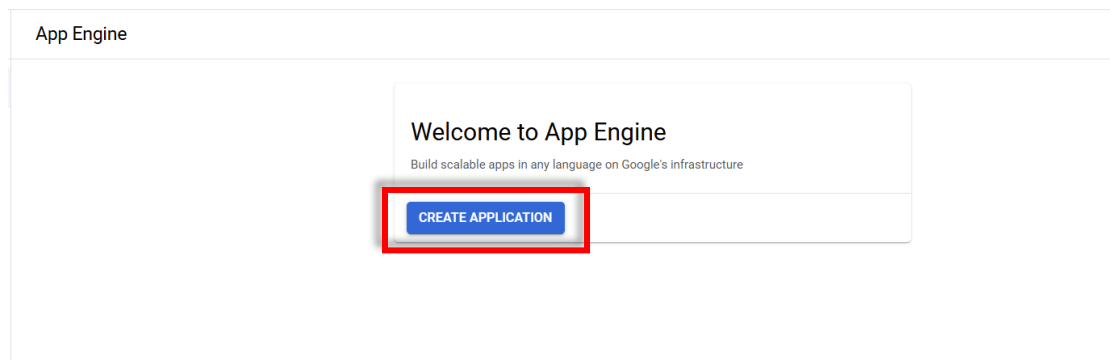
Hands-on-deck \$:~

App Engine settings:

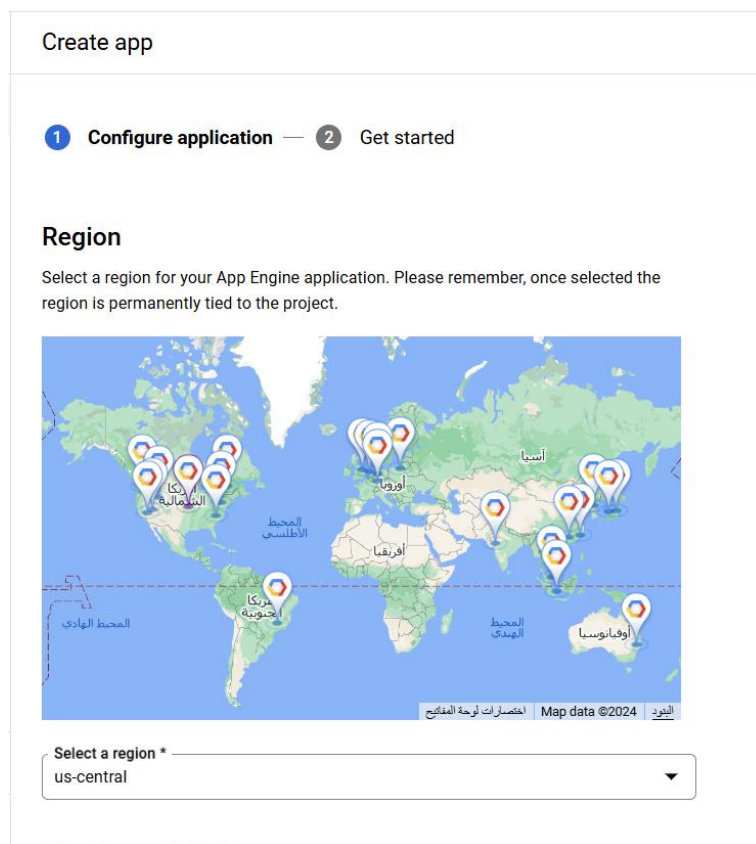
here you make your first application.



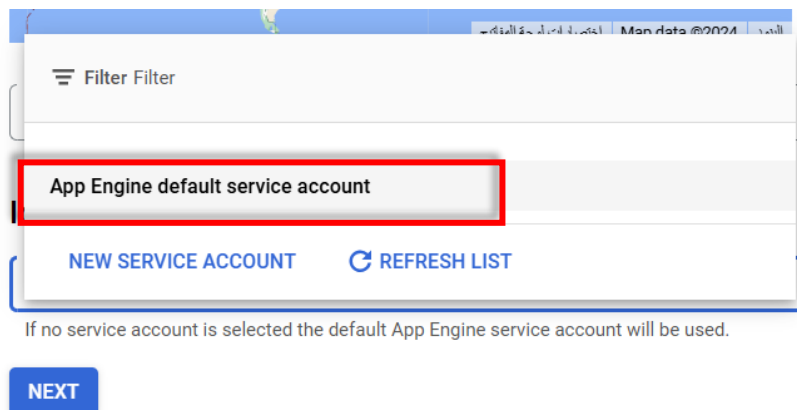
And click on create.



The application settings.




Choose the API access.



Now click create.

Create app

region is permanently tied to the project.



Select a region *
us-central

Identity and API access

Select a service account
App Engine default service account

If no service account is selected the default App Engine service account will be used.

NEXT

Get started

[LEARN](#)

Resources

Language
Python

Environment
Standard

Read App Engine Python Standard Environment [Documentation](#).

Visit [Github](#) for Python Standard Environment code samples.

Deploy with Google Cloud SDK

[DOWNLOAD THE CLOUD SDK](#)

Initialize your SDK

```
$ gcloud init
```

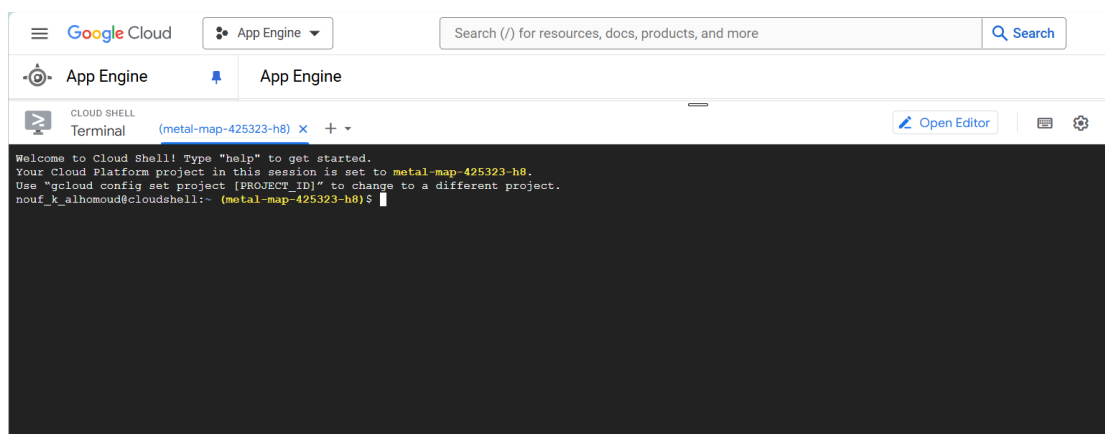
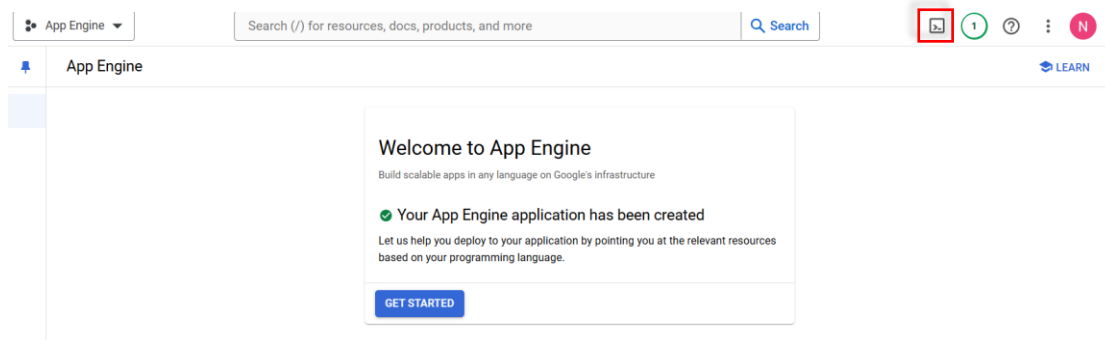
Deploy to App Engine

```
$ gcloud app deploy
```

I'LL DO THIS LATER

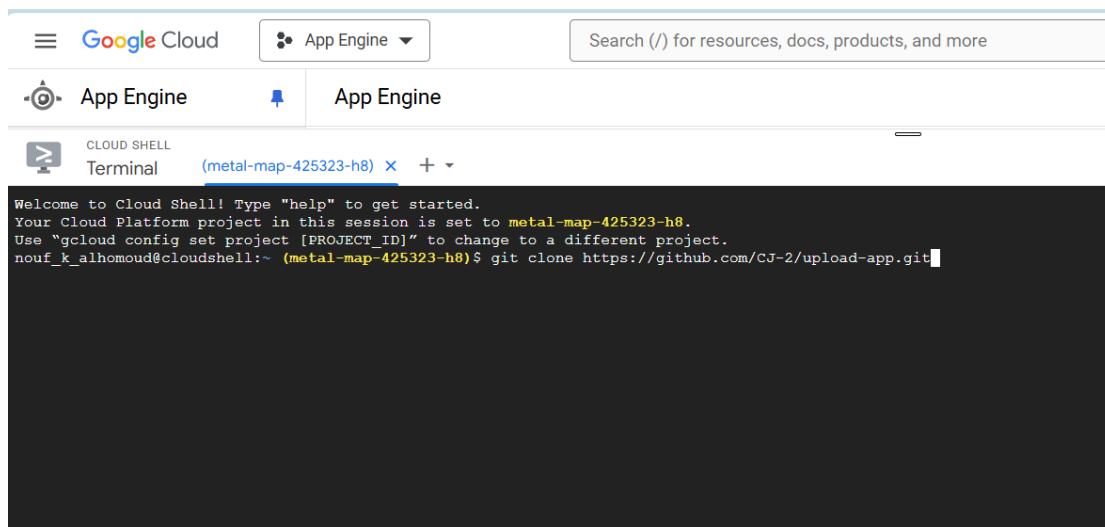
Cloud Shell:

After we create our first application.

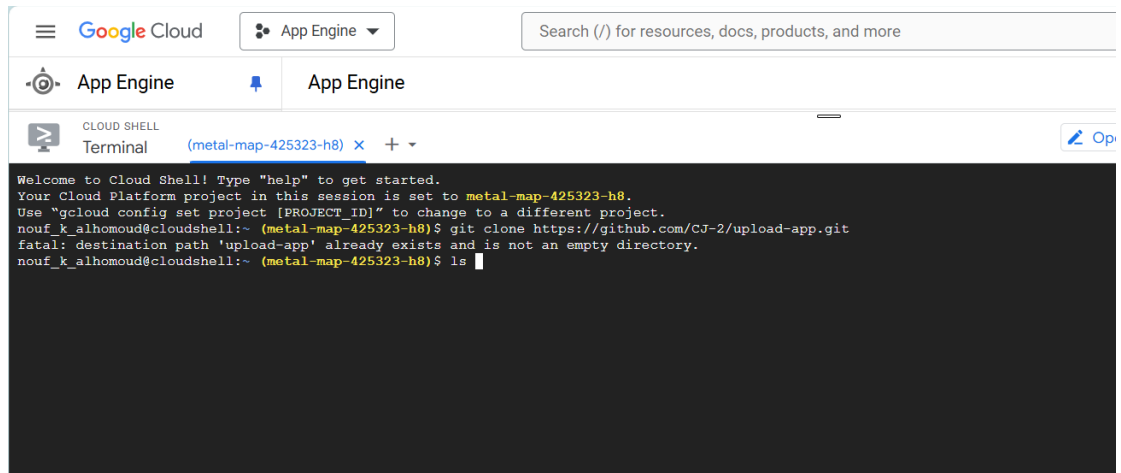


After we open the shell

cmd: `git clone https://github.com/CJ-2/upload-app.git`



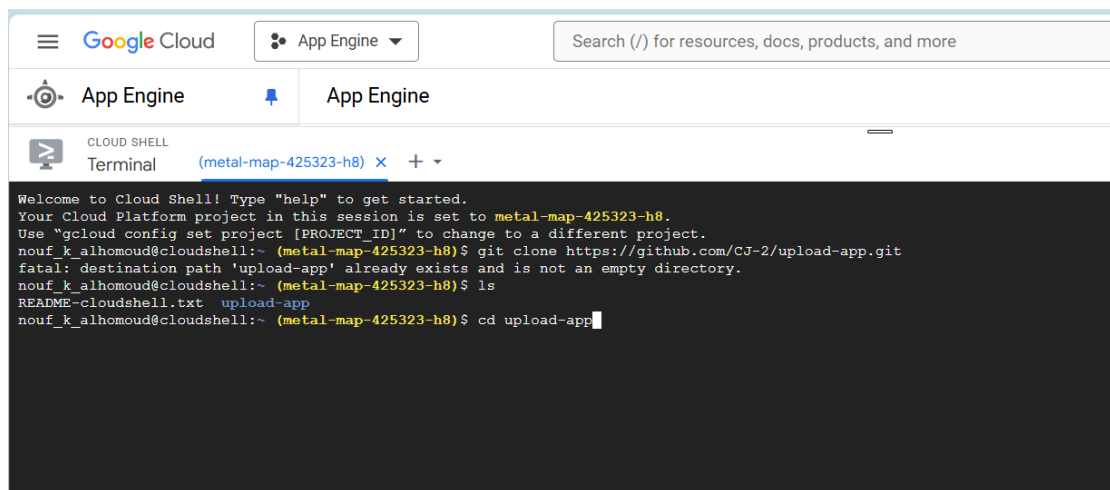
cmd: **ls**



The screenshot shows the Google Cloud App Engine interface. At the top, there's a search bar and a dropdown menu set to 'App Engine'. Below this, the 'App Engine' tab is active. The main area is a 'CLOUD SHELL' terminal window titled 'Terminal (metal-map-425323-h8)'. The terminal output shows a welcome message, project information, and the execution of 'git clone' and 'ls' commands. The 'ls' command output shows 'README-cloudshell.txt' and 'upload-app'.

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ ls
```

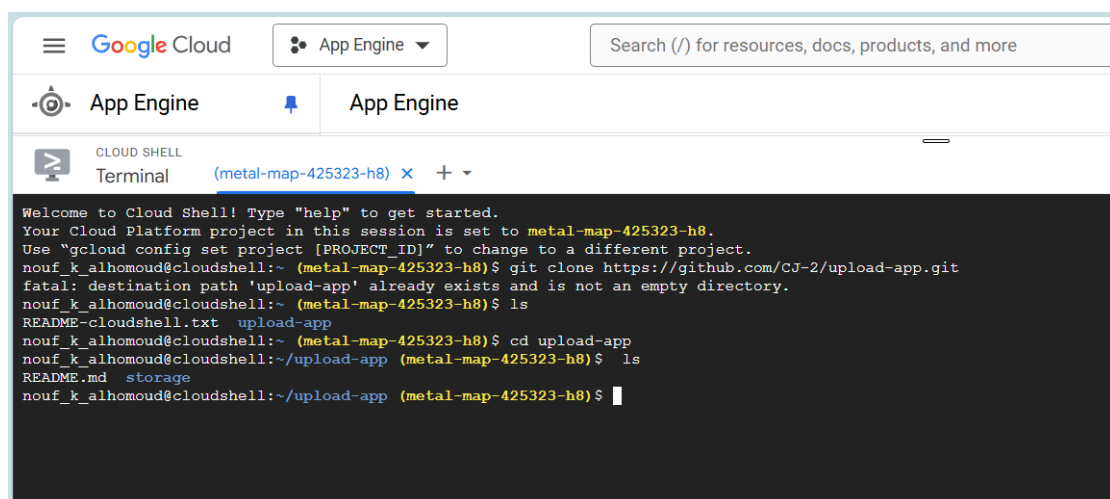
cmd: **cd upload-app**



The screenshot shows the Google Cloud App Engine interface. The terminal window shows the execution of 'git clone', 'ls', and 'cd upload-app' commands. The 'cd upload-app' command successfully changes the directory to '/upload-app'.

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ cd upload-app
```

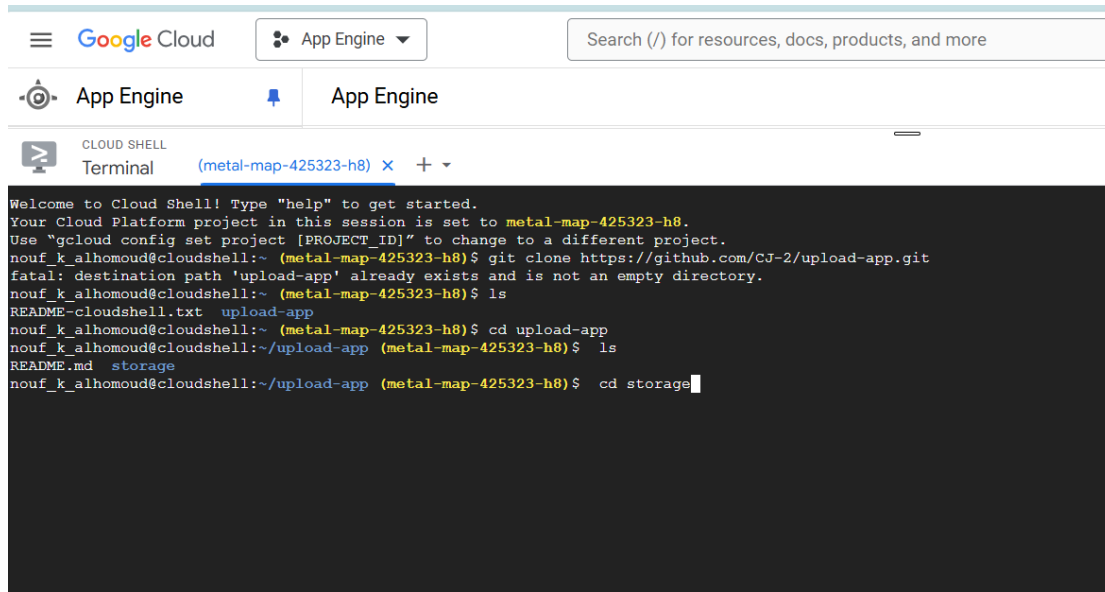
cmd: **ls**



The screenshot shows the Google Cloud App Engine interface. The terminal window shows the execution of 'ls' in the '/upload-app' directory. The output shows 'README.md' and 'storage'.

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8) $ cd upload-app
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8) $ ls
README.md  storage
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8) $
```

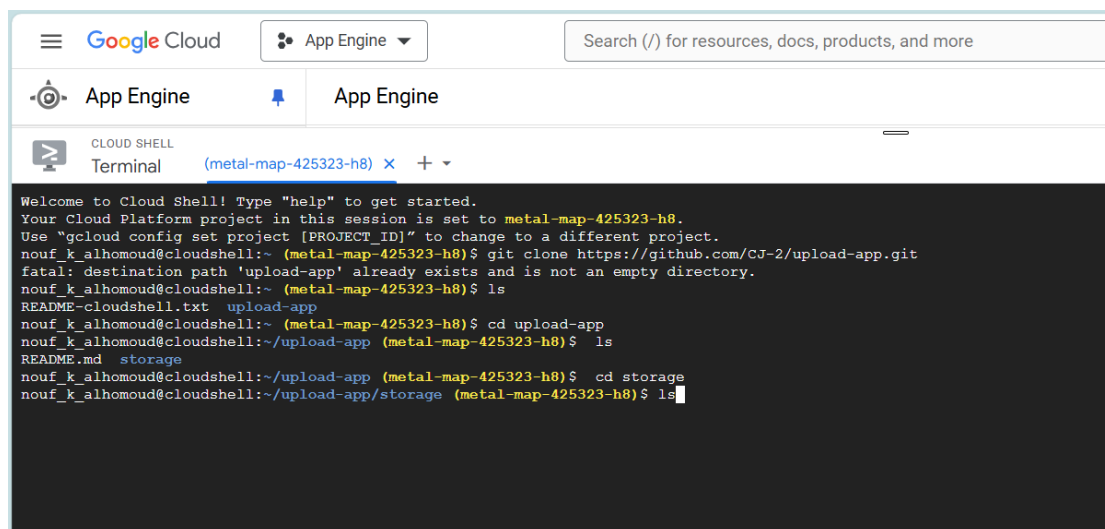
cmd: **cd storage**



The screenshot shows the Google Cloud App Engine interface with a Cloud Shell terminal. The terminal output is as follows:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd upload-app
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ ls
README.md  storage
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ cd storage
```

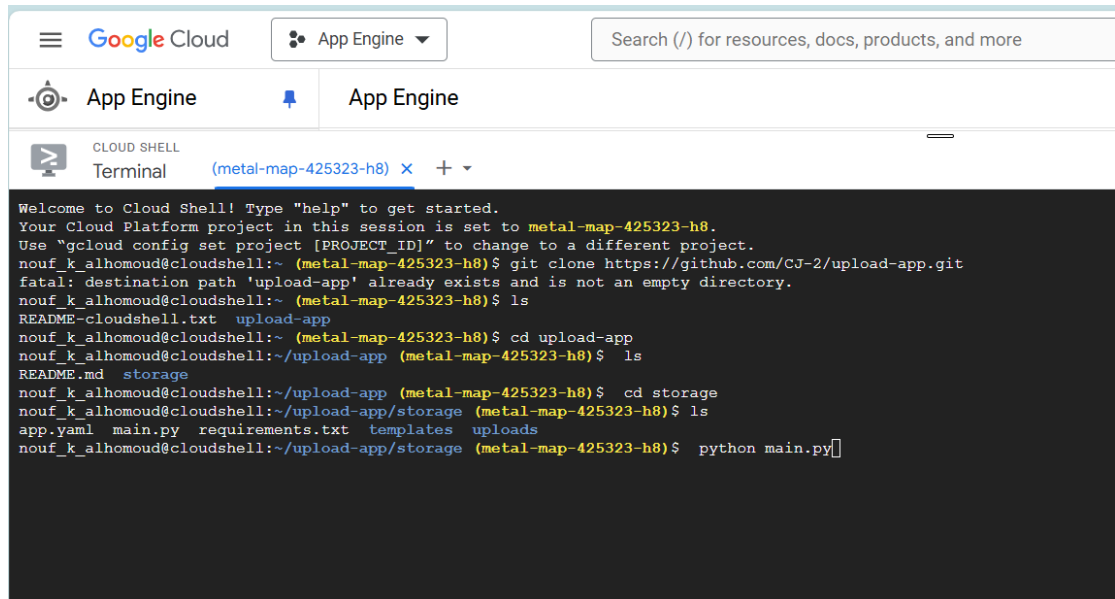
cmd: **ls**



The screenshot shows the Google Cloud App Engine interface with a Cloud Shell terminal. The terminal output is as follows:

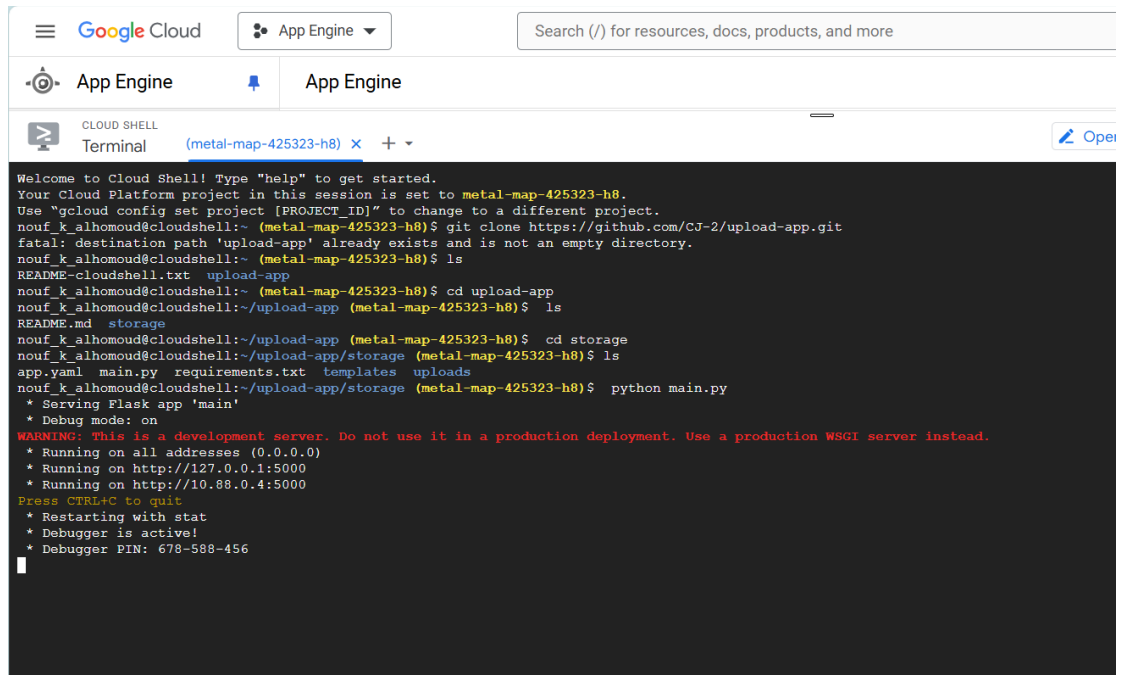
```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd upload-app
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ ls
README.md  storage
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ cd storage
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ ls
```

cmd: `python main.py`



The screenshot shows the Google Cloud App Engine interface with a Cloud Shell terminal open. The terminal output is as follows:

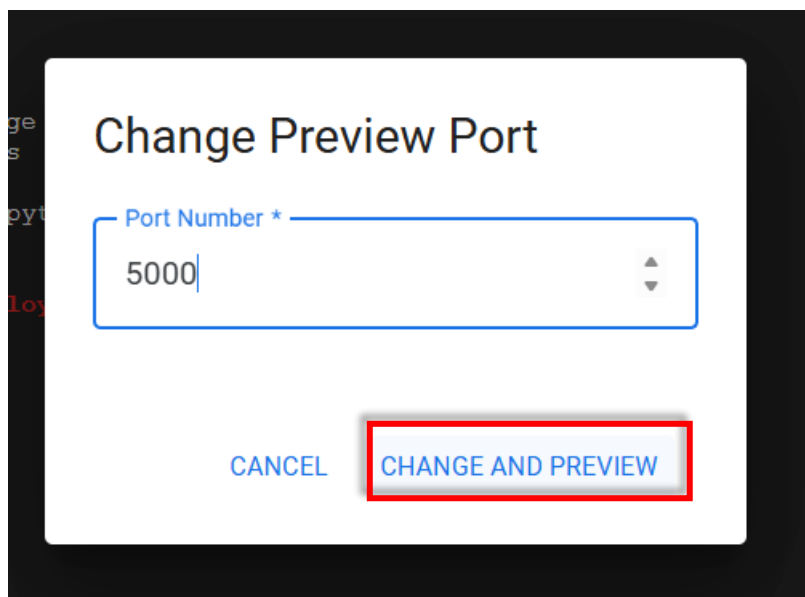
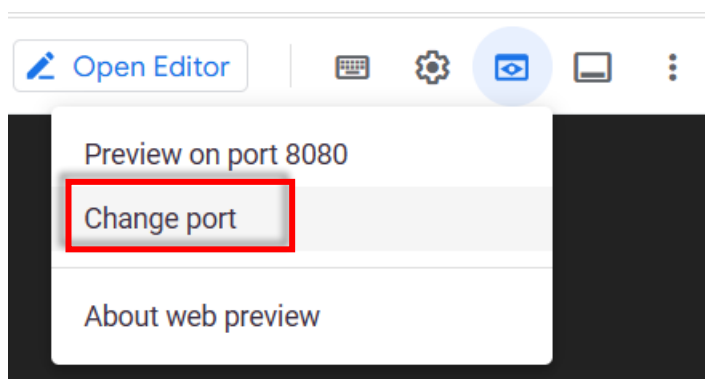
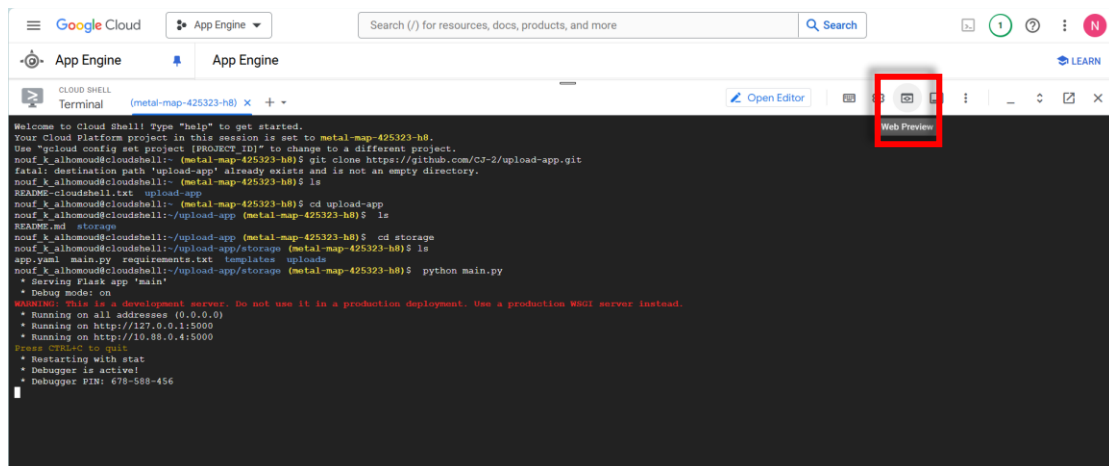
```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd upload-app
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ ls
README.md  storage
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ cd storage
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ python main.py
```

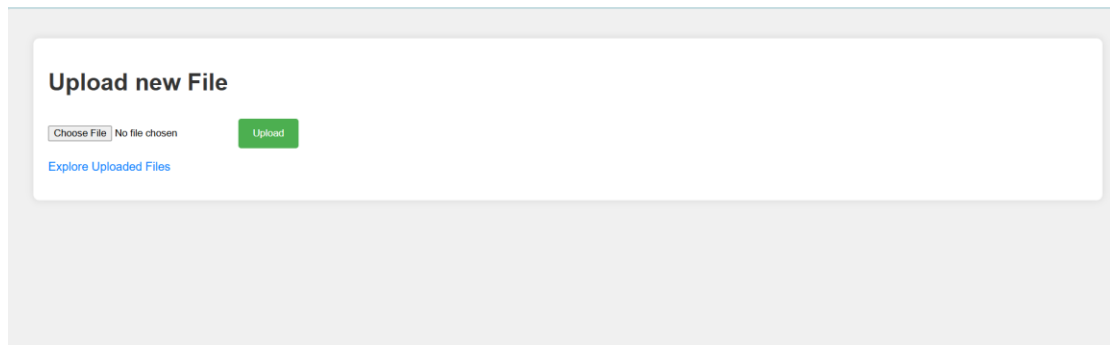


The screenshot shows the same Google Cloud App Engine interface, but the terminal output has progressed to the point where the Flask application is running. The output is as follows:

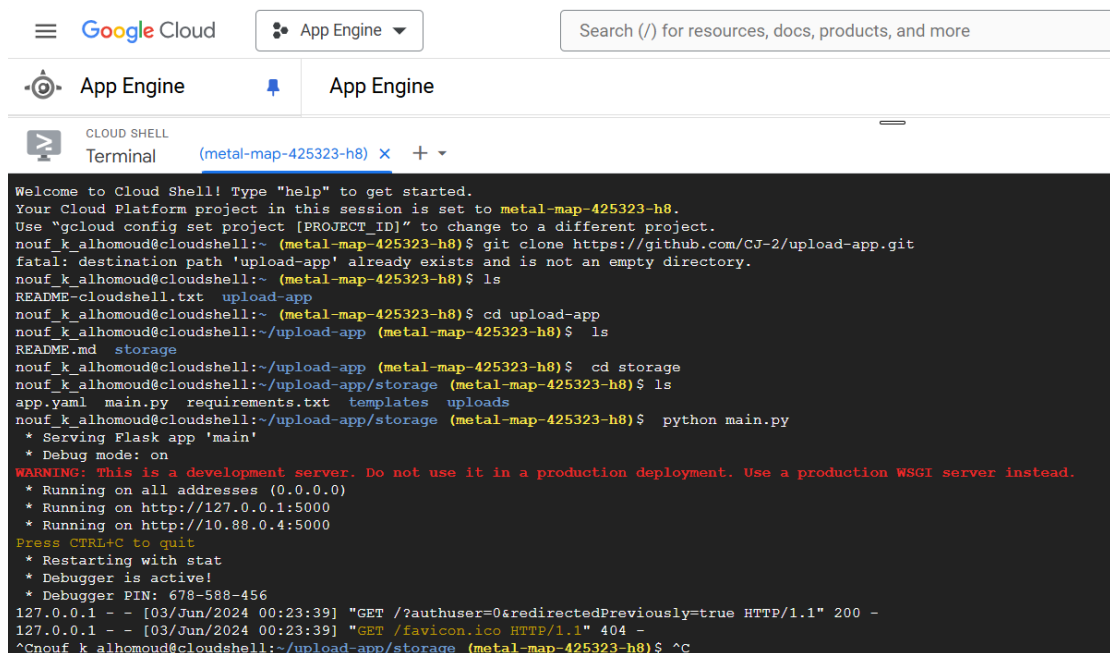
```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to metal-map-425323-h8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ git clone https://github.com/CJ-2/upload-app.git
fatal: destination path 'upload-app' already exists and is not an empty directory.
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ cd upload-app
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ ls
README.md  storage
nouf_k_alhomoud@cloudshell:~/upload-app (metal-map-425323-h8)$ cd storage
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ 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: 678-588-456
```


Click on web preview and follow the steps.

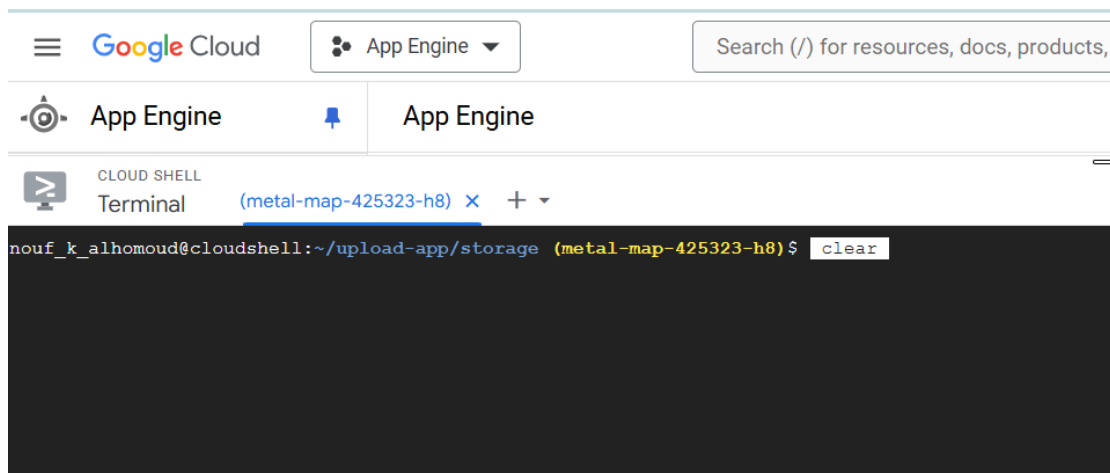




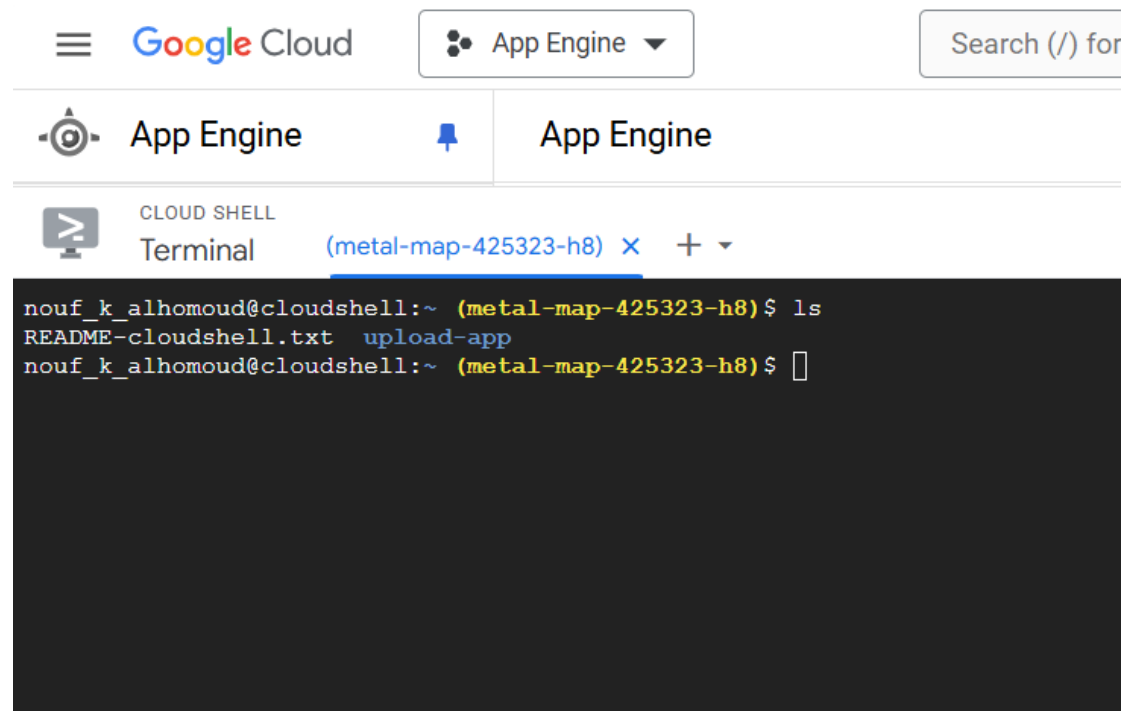
Return to shell and cmd: **CTRL+C**



cmd: **clear**



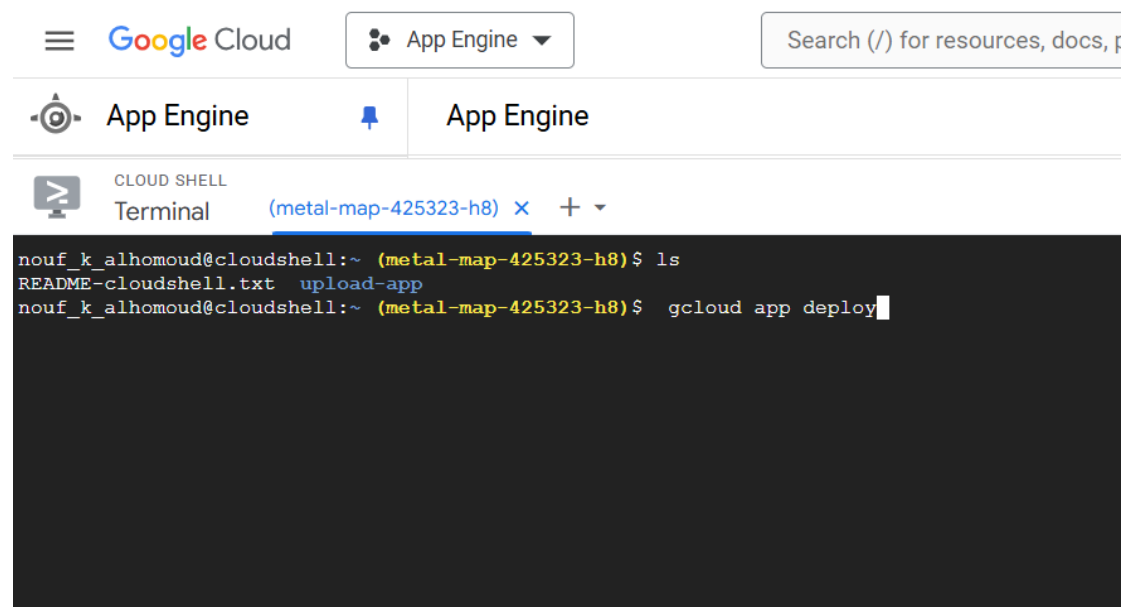
cmd: **ls**



The screenshot shows the Google Cloud App Engine console. At the top, there's a navigation bar with the Google Cloud logo, an 'App Engine' dropdown menu, and a search bar. Below this, there's a section for 'App Engine' with a pin icon. The main area features a 'CLOUD SHELL' terminal window titled 'Terminal' for instance '(metal-map-425323-h8)'. The terminal shows the prompt 'nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)\$' followed by the command 'ls'. The output of the command is displayed on the next line: 'README-cloudshell.txt upload-app'. The prompt then shows the command has been executed and a new line is ready for input.

```
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$
```

cmd: **gcloud app deploy**



This screenshot is similar to the one above, showing the Google Cloud App Engine console. The terminal window is the same, but the command entered is 'gcloud app deploy'. The output of the command is not visible in this screenshot, as the terminal text ends with the command and a cursor. The terminal prompt is 'nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)\$'.

```
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ ls
README-cloudshell.txt  upload-app
nouf_k_alhomoud@cloudshell:~ (metal-map-425323-h8)$ gcloud app deploy
```

Authorize Cloud Shell

Cloud Shell needs permission to use your credentials for the gcloud CLI command.

Click Authorize to grant permission to this and future calls.

REJECT

AUTHORIZE

cmd: **enter y**

```
^Cnouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ ls
app.yaml  main.py  requirements.txt  templates  uploads
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ gcloud app deploy
Services to deploy:

descriptor:          [/home/nouf_k_alhomoud/upload-app/storage/app.yaml]
source:              [/home/nouf_k_alhomoud/upload-app/storage]
target project:      [metal-map-425323-h8]
target service:      [default]
target version:      [20240603t012044]
target url:          [https://metal-map-425323-h8.uc.r.appspot.com]
target service account: [metal-map-425323-h8@appspot.gserviceaccount.com]

Do you want to continue (Y/n)?
```

```
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
```

cmd: `gcloud app browse`

```
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]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://metal-map-425323-h8.uc.r.appspot.com]

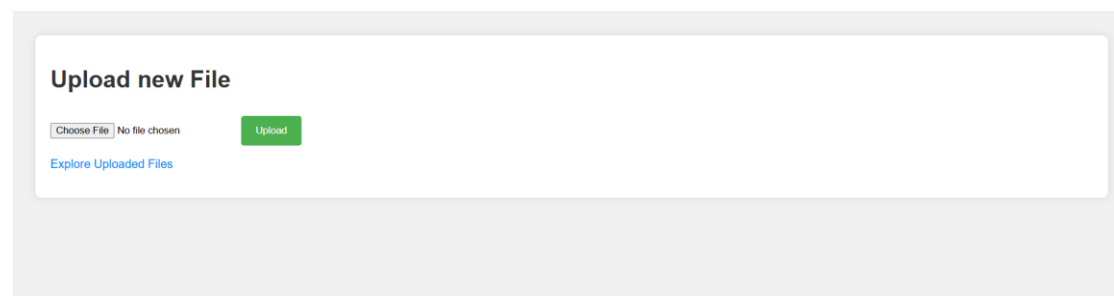
You can stream logs from the command line by running:
$ gcloud app logs tail -s default

To view your application in the web browser run:
$ gcloud app browse
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ gcloud app browse
```

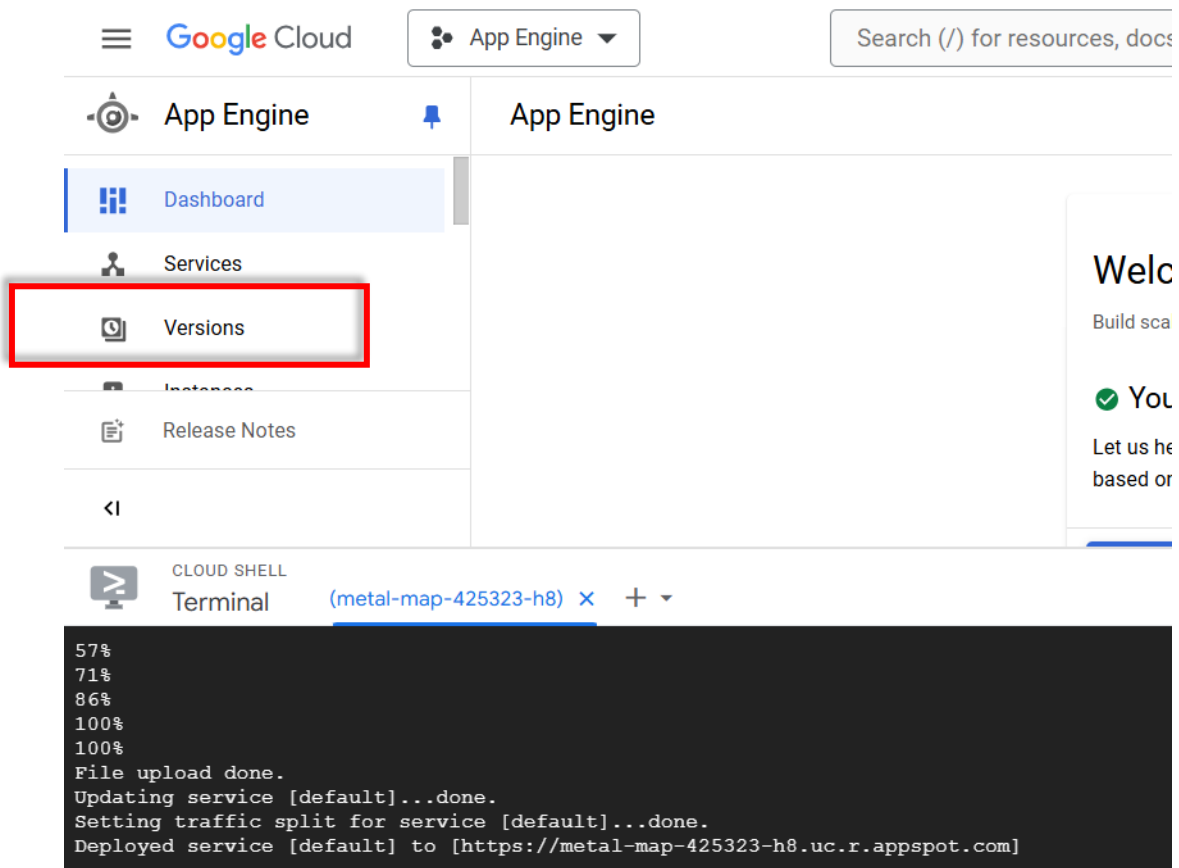
After that click on the link .

```
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$ gcloud app browse
Did not detect your browser. Go to this link to view your app:
https://metal-map-425323-h8.uc.r.appspot.com
nouf_k_alhomoud@cloudshell:~/upload-app/storage (metal-map-425323-h8)$
```

And now your app is deployed congratulations.



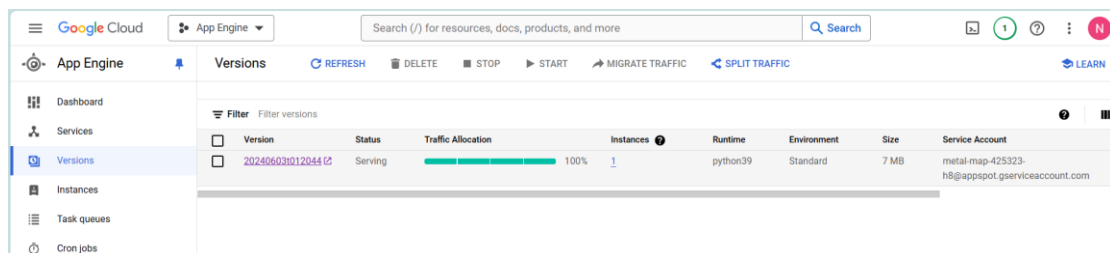
Go back to dashboard and select Versions.



The screenshot shows the Google Cloud App Engine dashboard. In the left-hand navigation menu, the 'Versions' option is highlighted with a red rectangular box. Below this menu is a 'CLOUD SHELL Terminal' window. The terminal output shows the following steps:

```
57%
71%
86%
100%
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://metal-map-425323-h8.uc.r.appspot.com]
```

Here's your version.



Version	Status	Traffic Allocation	Instances	Runtime	Environment	Size	Service Account
20240603012044	Serving	100%	1	python39	Standard	7 MB	metal-map-425323-h8@appspot.gserviceaccount.com

I hope that the project will help you.