

## **ASSIGNMENT 02**

**Name: Aparimeya Tiwari**

**TE Computer B**

**Batch C**

**22C0124**

Installation and configure Google App Engine.

### **Commands I used and steps I followed**

#### **1) cd**

- cd stands for “change directory”.
- It is a linux command which is used to traverse through are file.
- It simple helps us move to a different directory within the parent directory
- Command is: cd <new\_directory>

#### **2) ls**

- This command stands for “list”
- It is a linux command which is used to list all the directories and files in the current location.
- Note: does not show hidden files

#### **3) ls -a**

- Same as ls but also shows the hidden system files

#### **4) gcloud app deploy**

- Deploys an application to Google App Engine.
- Ensures that all necessary files are uploaded and configured.
- Runs based on the configuration file (e.g., app.yaml).

### **Basic Steps for Setting Up Google App Engine**

1. Visited the Google App Engine Website - Opened the official Google App Engine site.
2. Created a New Project - Set up a new project and selected a deployment region.
3. Switched to CLI - Used the terminal to clone a GitHub repository for deployment.
4. Navigated to Project Directory - Used cd to move into the cloned project folder.
5. Deployed the Application - Ran gcloud app deploy to upload and run the project.
6. Checked Output - Opened the deployed application in a browser to verify functionality..

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aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app (model-coral-450807-b4)$ cd building-an-app-1
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$ ls
app.yaml main.py main_test.py requirements-test.txt requirements.txt static templates
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$ gcloud app deploy
Services to deploy:

descriptor:      [/home/aprimewatiwari/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1/app.yaml]
source:          [/home/aprimewatiwari/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1]
target project:  [model-coral-450807-b4]
target service:  [default]
target version:  [20250213c084945]
target url:      [https://model-coral-450807-b4.as.r.appspot.com]
target service account: [model-coral-450807-b4@appspot.gserviceaccount.com]

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

Beginning deployment of service [default]...
Uploading 0 files to Google Cloud Storage
100%
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://model-coral-450807-b4.as.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
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$ gcloud app browse
Did not detect your browser. Go to this link to view your app:
https://model-coral-450807-b4.as.r.appspot.com
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$

```

Free trial status: ₹25,966.13 credit and 91 days remaining. Activate your full account to get unlimited access to all of Google Cloud—use any remaining credits, then pay only for what you use. **DISMISS** **ACTIVATE**

Google Cloud My First Project Search (/) for resources, docs, products, and more **Q Search**

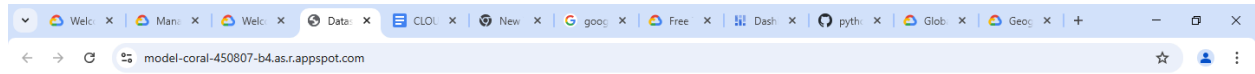
CLOUD SHELL Terminal (model-coral-450807-b4) x (model-coral-450807-b4) x + **Open Editor**

```

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to model-coral-450807-b4.
Use 'gcloud config set project [PROJECT ID]' to change to a different project.
aprimewatiwari@cloudshell:~ (model-coral-450807-b4)$ git clone https://github.com/GoogleCloudPlatform/python-docs-samples
fatal: destination path 'python-docs-samples' already exists and is not an empty directory.
aprimewatiwari@cloudshell:~ (model-coral-450807-b4)$ ls
python-docs-samples README-cloudshell.txt
aprimewatiwari@cloudshell:~ (model-coral-450807-b4)$ cd python-docs-samples/
aprimewatiwari@cloudshell:~/python-docs-samples (model-coral-450807-b4)$ ls
alloydb      billing      contentwarehouse  endpoints      jobs           monitoring    recaptcha enterprise  storagetransfer
aml-ai       blog         CONTRIBUTING.md  enterpriseknowledgegraph  kms            notebooks     renovate.json  tables
appengine    cdn          datacatalog      error-reporting  kubernetes_engine  noxfile.config.py  retail         talent
asset        cloudbuild   dataflow         eventarc        language        noxfile-template.py  run           testing
auth         cloud-media-livestream  datalabeling     firestore      LICENSE        optimization  scripts        texttospeech
AUTHORING_GUIDE.md  cloud-scheduler  dataplex        faviicon.ico   logging        owlbot.py    secretmanager  tpu
automl       cloud-sql    datastore        functions      MAC_SETUP.md    people-and-planet-ai  securitycenter  trace
batch        cloud-tasks  datastore        gcmsh2         Makefile        practice-folder  SECURITY.md     translate
bigquery     CODE_OF_CONDUCT.md  dialogflow       genai          managedkafka     privateca      servicedirectory  video
bigquery-connection  composer        dialogflow-cx    generative_ai  media           profiler       service_extensions  videointelligence
bigquery-datatransfer  compute        discoveryengine  healthcare     media_cdn       pubsub        spanner         vision
bigquery-migration  contact-center-insights  dlp             iam            media-translation  pubsublite    speech          vmwareengine
bigquery-reservation  container      dns             iap            memystore        pytest.ini     storage         webrisk
bigquery_storage  containeranalysis  documentai      iot            ml_engine        README.md      storagecontrol  workflows
aprimewatiwari@cloudshell:~/python-docs-samples (model-coral-450807-b4)$ cd appengine/
aprimewatiwari@cloudshell:~/python-docs-samples/appengine (model-coral-450807-b4)$ ls
flexible flexible_python37 and earlier standard standard_python3
aprimewatiwari@cloudshell:~/python-docs-samples/appengine (model-coral-450807-b4)$ cd standard_python3/
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3 (model-coral-450807-b4)$ :s
-bash: syntax error near unexpected token `;'
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3 (model-coral-450807-b4)$ ls
bigquery building-an-app bundled-services clouddsql custom-server django hello world migration pubsub redis spanner warmp
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3 (model-coral-450807-b4)$ cd building-an-app/
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app (model-coral-450807-b4)$ ls
building-an-app-1 building-an-app-2 building-an-app-3 building-an-app-4
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app (model-coral-450807-b4)$ cd building-an-app-1
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$ ls
app.yaml main.py main_test.py requirements-test.txt requirements.txt static templates
aprimewatiwari@cloudshell:~/python-docs-samples/appengine/standard_python3/building-an-app/building-an-app-1 (model-coral-450807-b4)$

```

Type here to search 32°C Sunny 14:18 13-02-2025



## Datastore and Firebase Auth Example

### Last 10 visits

2018-01-01 10:00:00  
2018-01-02 10:30:00  
2018-01-03 11:00:00



## Conclusion

Hence we have successfully installed and configured google app engine