

Pandit Deendayal Energy University
School of Technology
Cloud Computing – Lab (20CP322P)
B.Tech-Computer Science & Engineering (Sem-VI)

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App engine

Build highly scalable applications on a fully managed serverless platform.

Key features

- **Popular programming languages**

Build your application in Node.js, Java, Ruby, C#, Go, Python, or PHP or bring your own language runtime.

- **Open and flexible**

Custom runtimes allow you to bring any library and framework to App Engine by supplying a Docker container.

- **Fully managed**

A fully managed environment lets you focus on code while App Engine manages infrastructure concerns.

Steps:

First of got to <https://console.cloud.google.com/> and make your free google cloud account and get 300\$ credit.

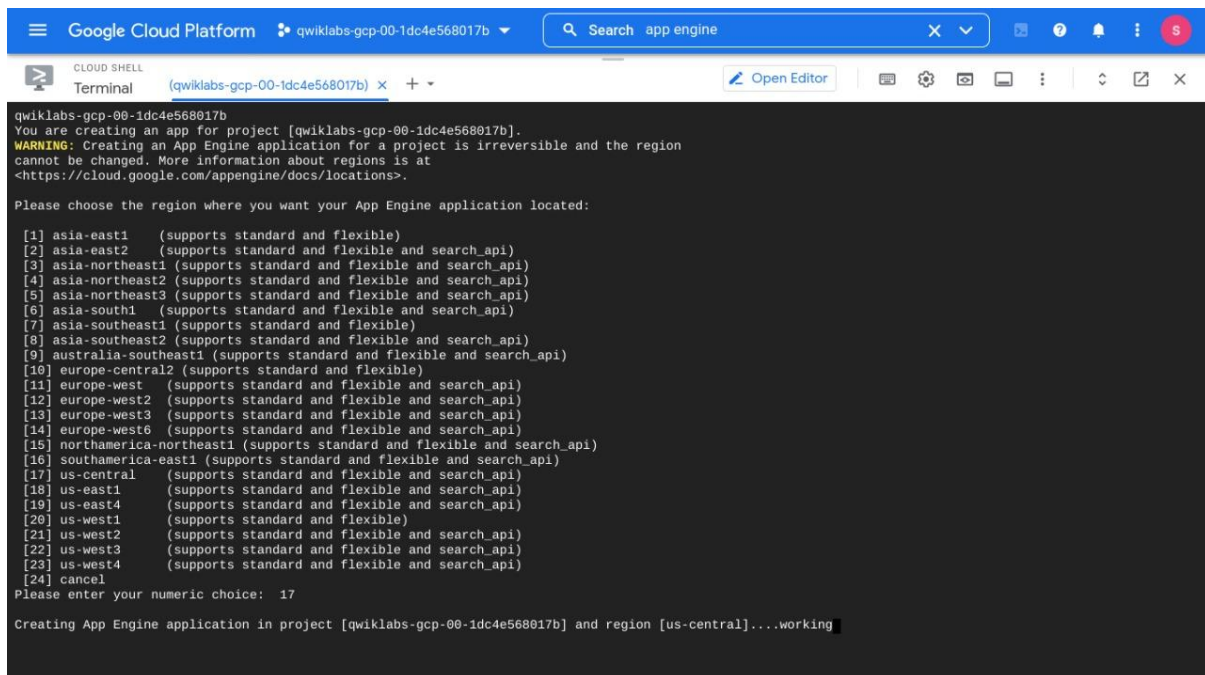
Then go to API and services. And activate app engine API.

Then go to <https://console.cloud.google.com/> and activate cloud shell. After cloud shell starts type “gcloud auth list” and authorize cloud shell. And then enter following commands,

“git clone <https://github.com/GoogleCloudPlatform/python-docs-samples>”

“cd python-docs-samples/appengine/standard_python3/hello_world”

“gcloud app deploy”



```
Google Cloud Platform  qwiklabs-gcp-00-1dc4e568017b  Search app engine  X v  ?  S
CLOUD SHELL
Terminal (qwiklabs-gcp-00-1dc4e568017b) x + Open Editor

qwiklabs-gcp-00-1dc4e568017b
You are creating an app for project [qwiklabs-gcp-00-1dc4e568017b].
WARNING: Creating an App Engine application for a project is irreversible and the region
cannot be changed. More information about regions is at
<https://cloud.google.com/appengine/docs/locations>.

Please choose the region where you want your App Engine application located:

[1] asia-east1 (supports standard and flexible)
[2] asia-east2 (supports standard and flexible and search_api)
[3] asia-northeast1 (supports standard and flexible and search_api)
[4] asia-northeast2 (supports standard and flexible and search_api)
[5] asia-northeast3 (supports standard and flexible and search_api)
[6] asia-south1 (supports standard and flexible and search_api)
[7] asia-southeast1 (supports standard and flexible)
[8] asia-southeast2 (supports standard and flexible and search_api)
[9] australia-southeast1 (supports standard and flexible and search_api)
[10] europe-central2 (supports standard and flexible)
[11] europe-west (supports standard and flexible and search_api)
[12] europe-west2 (supports standard and flexible and search_api)
[13] europe-west3 (supports standard and flexible and search_api)
[14] europe-west6 (supports standard and flexible and search_api)
[15] northamerica-northeast1 (supports standard and flexible and search_api)
[16] southamerica-east1 (supports standard and flexible and search_api)
[17] us-central (supports standard and flexible and search_api)
[18] us-east1 (supports standard and flexible and search_api)
[19] us-east4 (supports standard and flexible and search_api)
[20] us-west1 (supports standard and flexible)
[21] us-west2 (supports standard and flexible and search_api)
[22] us-west3 (supports standard and flexible and search_api)
[23] us-west4 (supports standard and flexible and search_api)
[24] cancel

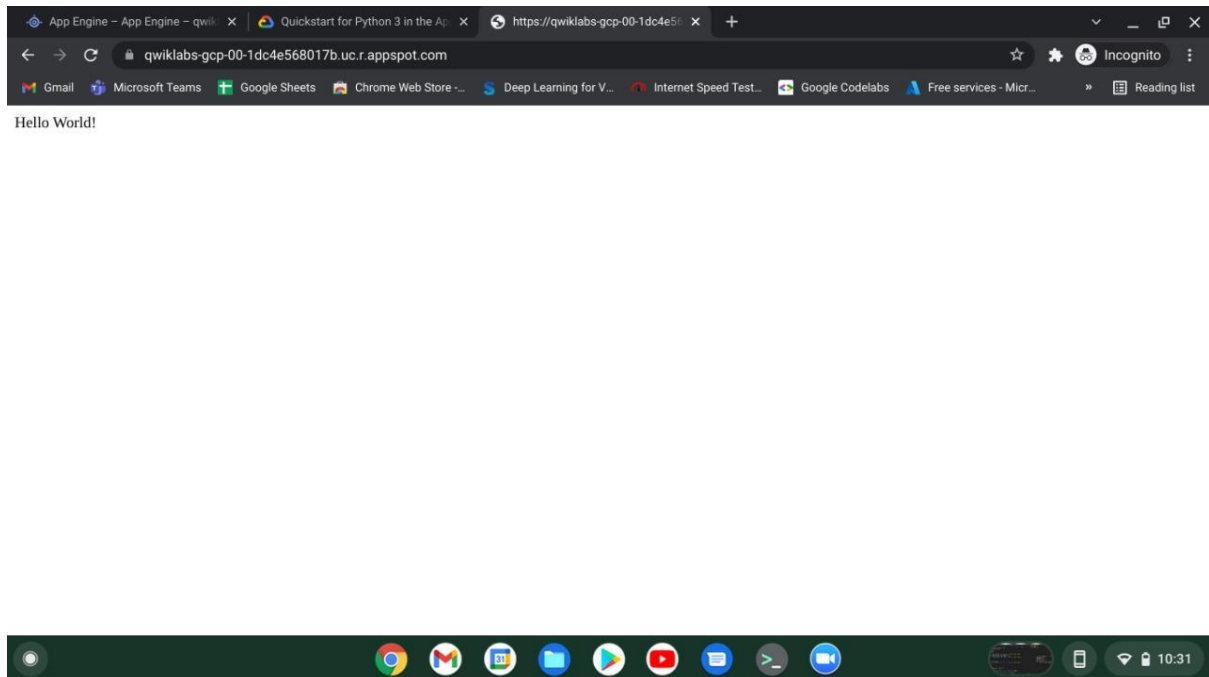
Please enter your numeric choice: 17

Creating App Engine application in project [qwiklabs-gcp-00-1dc4e568017b] and region [us-central]....working
```

After app deployment is complete type the following line to see link of deployed app.

“gcloud app browse”

Then go to that link to see the app.



Then go to navigation menu and then app engine. To see the following window. In that web-page you can all the information about your app.

App Engine

[Dashboard](#)
[Versions](#)
[Instances](#)
[Task queues](#)
[Cron jobs](#)
[Security scans](#)
[Firewall rules](#)
[Quotas](#)
[Memcache](#)
[Search](#)
[Release Notes](#)

Latency

Version: 20220302t045918 (100%) [gwiklabs-gcp-00-1dc4e568017b.uc.r.appspot.com](#)
Region: us-central

Latency

1 hour RESET ZOOM

50th Percentile: 4.828ms
95th Percentile: 5.640ms

Today

Completed: Create App Engine version

	student-04-b4a45f756577@gwiklabs.net created 20220302t045918 March 2, 2022 at 10:30:25 AM GMT+5
User	student-04-b4a45f756577@gwiklabs.net
Resource name	apps/gwiklabs-gcp-00-1dc4e568017b/services/default/versions/20220302t045918

10:29 AM Create App Engine version student-04-b4a45f756577@...