

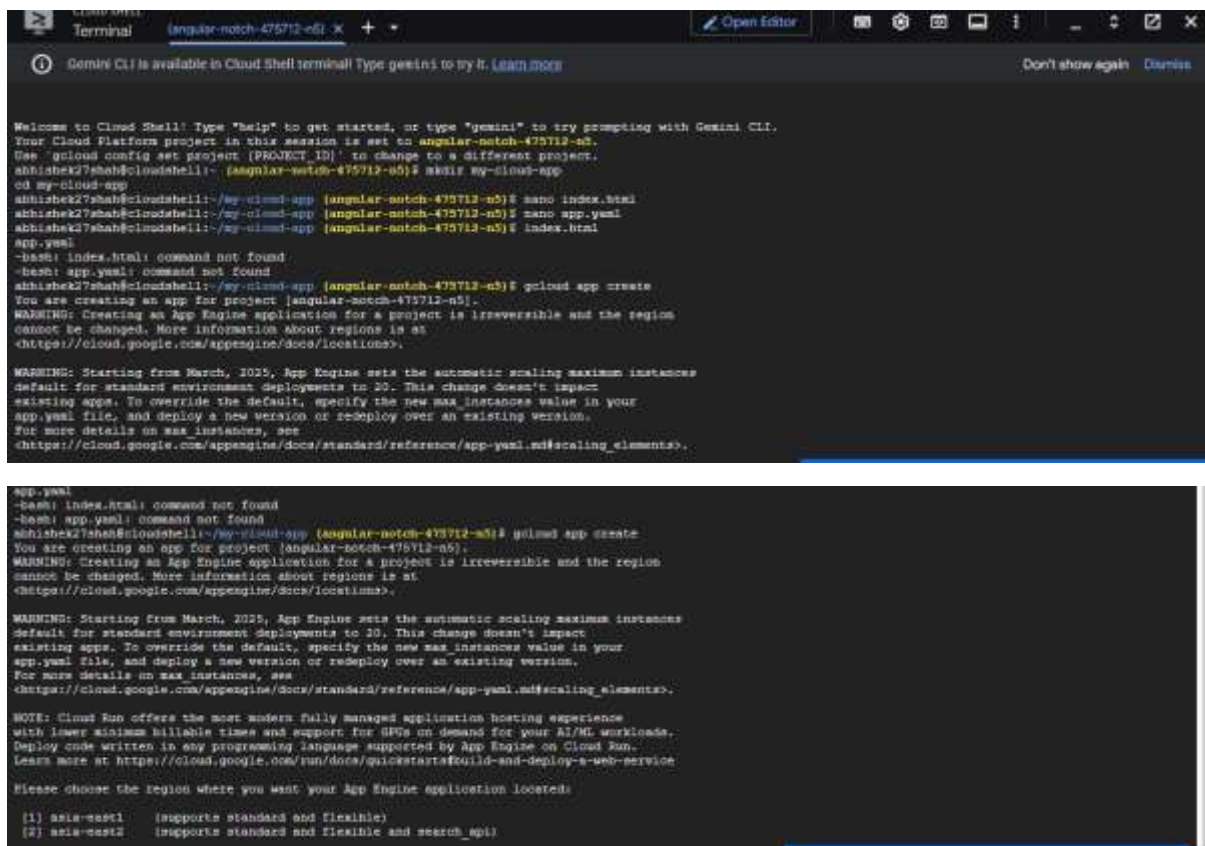
☁️ *Task 6: Host and Deploy a Web Application on the Cloud*

- * Deployed web app URL (running live)

Hello Cloud!

This is my first web app hosted on Google Cloud App Engine.

- * Cloud Console with your app running



```
Terminal (angular-notch-475712-n5) x +
Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. (Learn more) Don't show again Dismiss

Welcome to Cloud Shell! Type "help" to get started, or type "gemini" to try prompting with Gemini CLI.
Your Cloud Platform project in this session is set to angular-notch-475712-n5.
Use 'gcloud config set project [PROJECT_ID]' to change to a different project.
abhishek27shah@cloudshell:~ (angular-notch-475712-n5) $ mkdir my-cloud-app
cd my-cloud-app
abhishek27shah@cloudshell:~/my-cloud-app (angular-notch-475712-n5) $ nano index.html
abhishek27shah@cloudshell:~/my-cloud-app (angular-notch-475712-n5) $ nano app.yaml
app.yaml
-bash: index.html: command not found
-bash: app.yaml: command not found
abhishek27shah@cloudshell:~/my-cloud-app (angular-notch-475712-n5) $ gcloud app create
You are creating an app for project [angular-notch-475712-n5].
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>.

WARNING: Starting from March, 2025, App Engine sets the automatic scaling maximum instances
default for standard environment deployments to 20. This change doesn't impact
existing apps. To override the default, specify the new max_instances value in your
app.yaml file, and deploy a new version or redeploy over an existing version.
For more details on max instances, see
<https://cloud.google.com/appengine/docs/standard/reference/app.yaml.md#scaling_elements>.

app.yaml
-bash: index.html: command not found
-bash: app.yaml: command not found
abhishek27shah@cloudshell:~/my-cloud-app (angular-notch-475712-n5) $ gunicorn app:create
You are creating an app for project [angular-notch-475712-n5].
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>.

WARNING: Starting from March, 2025, App Engine sets the automatic scaling maximum instances
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<https://cloud.google.com/appengine/docs/standard/reference/app.yaml.md#scaling_elements>.

NOTE: Cloud Run offers the most modern fully managed application hosting experience
with lower minimum billable time and support for GPUs on demand for your AI/ML workloads.
Deploy code written in any programming language supported by App Engine on Cloud Run.
Learn more at https://cloud.google.com/run/docs/quickstarts/build-and-deploy-a-web-service

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)
```

```
Terminal [angular-notch-475712-n5] x + - Open Editor

Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. Learn more Don't show again Dismiss

WARNING: Starting from March, 2025, App Engine sets the automatic scaling maximum instances default for standard environment deployments to 20. This change doesn't impact existing apps. To override the default, specify the new max_instances value in your app.yaml file, and deploy a new version or redeploy over an existing version. For more details on max_instances, see https://cloud.google.com/appengine/docs/standard/reference/app-yaml#scaling_elements.

NOTE: Cloud Run offers the most modern fully managed application hosting experience with lower minimum billable times and support for GPUs on demand for your AI/ML workloads. Deploy code written in any programming language supported by App Engine on Cloud Run. Learn more at https://cloud.google.com/run/docs/quickstarts/build-and-deploy-a-web-service

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)
```

```
Terminal [angular-notch-475712-n5] x + - Open Editor

Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. Learn more Don't show again Dismiss

[14] europe-west4 (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-central1 (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: 8

Creating App Engine application in project [angular-notch-475712-n5] and region [asia-south1]....done.
Success! The app is now created. Please use 'gcloud app deploy' to deploy your first app.
shishak27shah@cloudshell:~/my-cloud-app [angular-notch-475712-n5]$ gcloud app deploy
WARNING: You might be using automatic scaling for a standard environment deployment, without providing a value for automatic_scaling.max_instances. Starting from March, 2025, App Engine sets the automatic scaling maximum instances default for standard environment deployments to 20. This change doesn't impact existing apps. To override the default, specify the new max_instances value in your app.yaml file, and deploy a new version or redeploy over an existing version. For

descriptor:      [/home/shishak27shah/my-cloud-app/app.yaml]
source:         [/home/shishak27shah/my-cloud-app]
target project: [angular-notch-475712-n5]
target service: [default]
target version: [20251030t114355]
```

Short note explaining deployment steps

I created a simple static web app using **Google App Engine**.

It contains an index.html file served via a Python runtime (app.yaml configuration).

I deployed it using the **Cloud Shell gcloud commands**, and the app was successfully.