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**Lab Assignment 4 - Hosting using Google App engine**

Google App Engine is a Platform as a Service (PaaS) offering by Google Cloud that allows developers to build, deploy, and scale applications easily without having to manage the underlying infrastructure. It is designed to provide a simple and scalable way to host web applications and APIs, handling tasks such as automatic scaling, load balancing, and server maintenance.

**Yaml code-**

**runtime: python**

**api\_version: false**

**handlers:**

**- url: /.\***

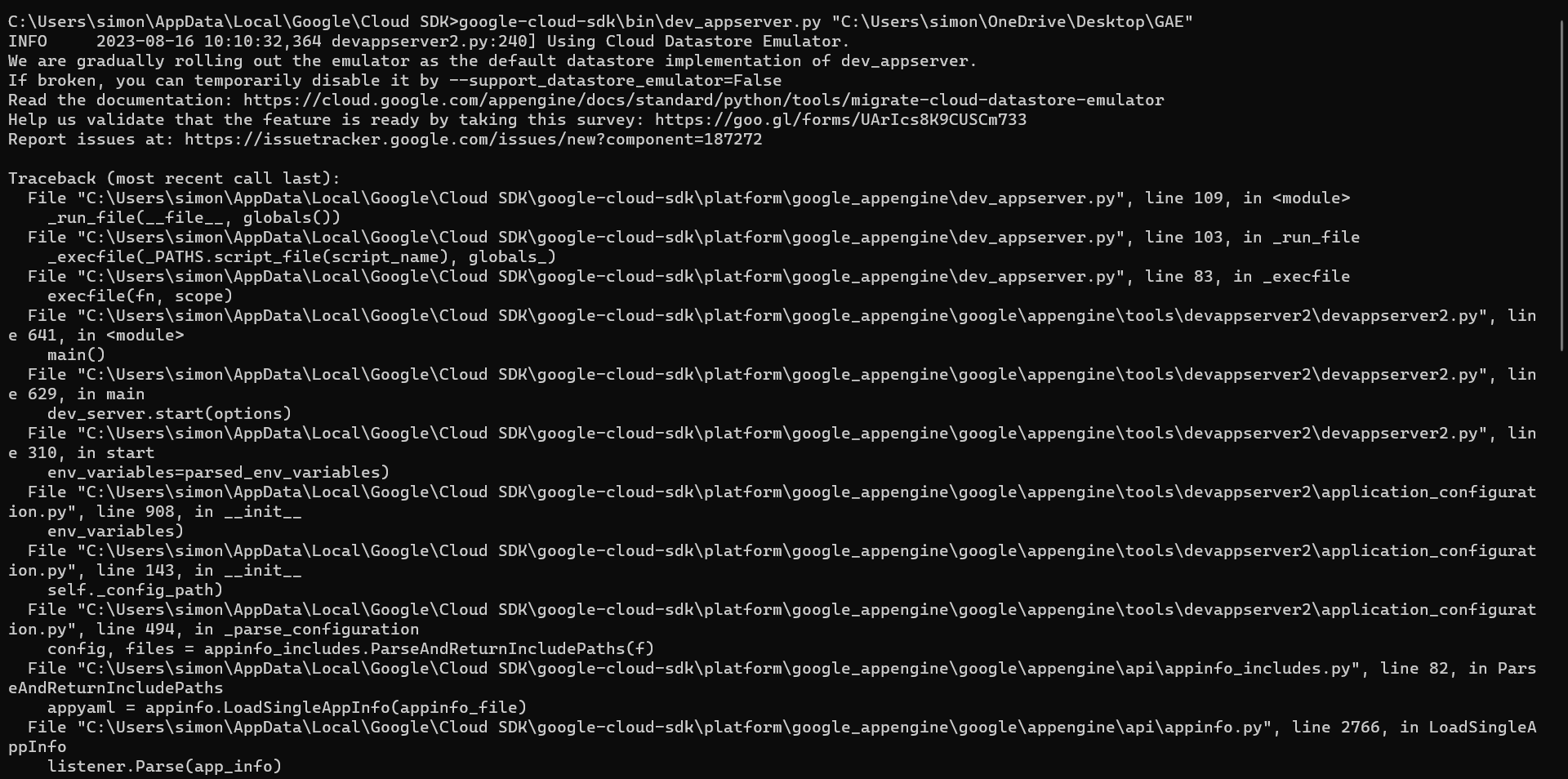
**script: app.py**

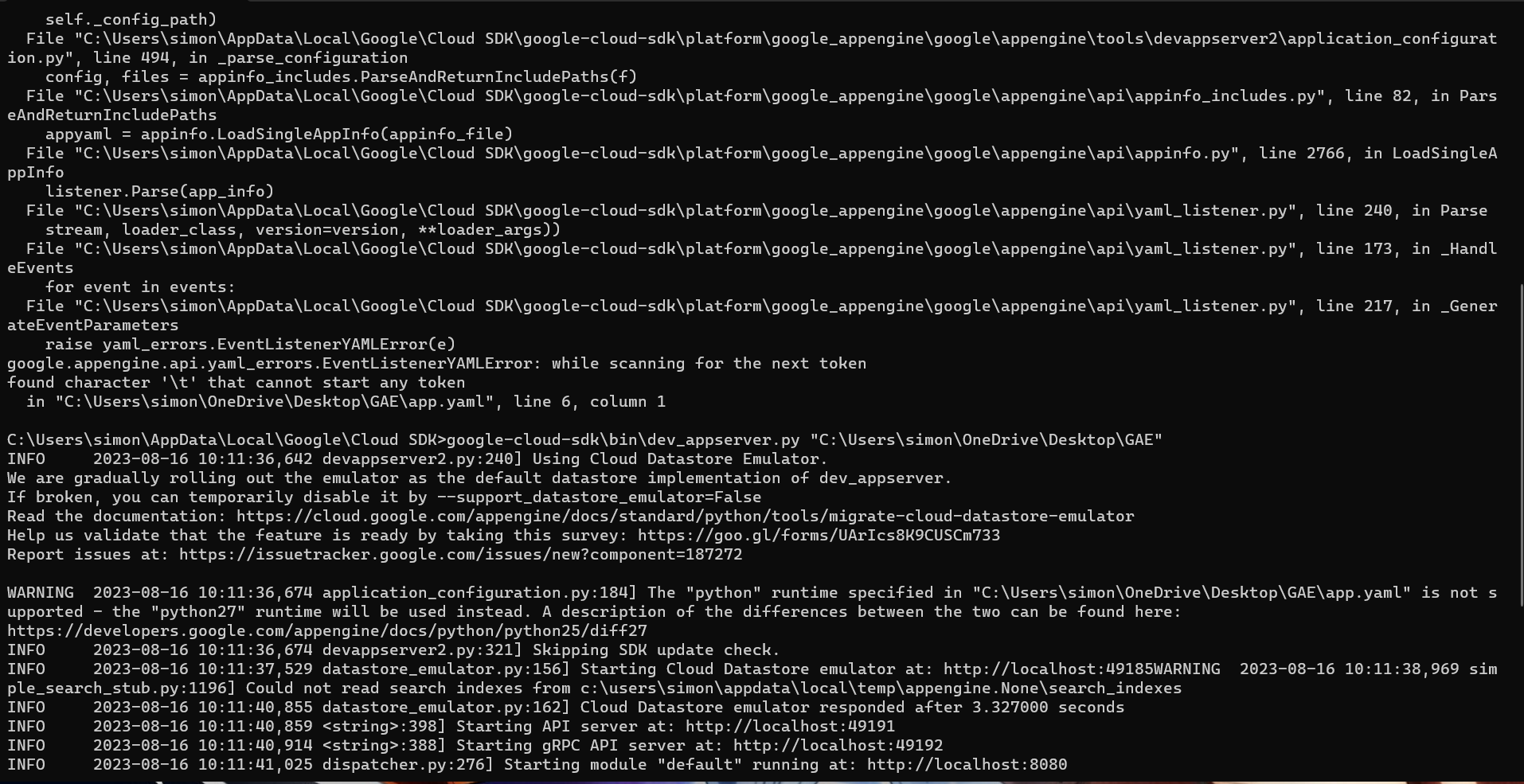
**App .py code-**

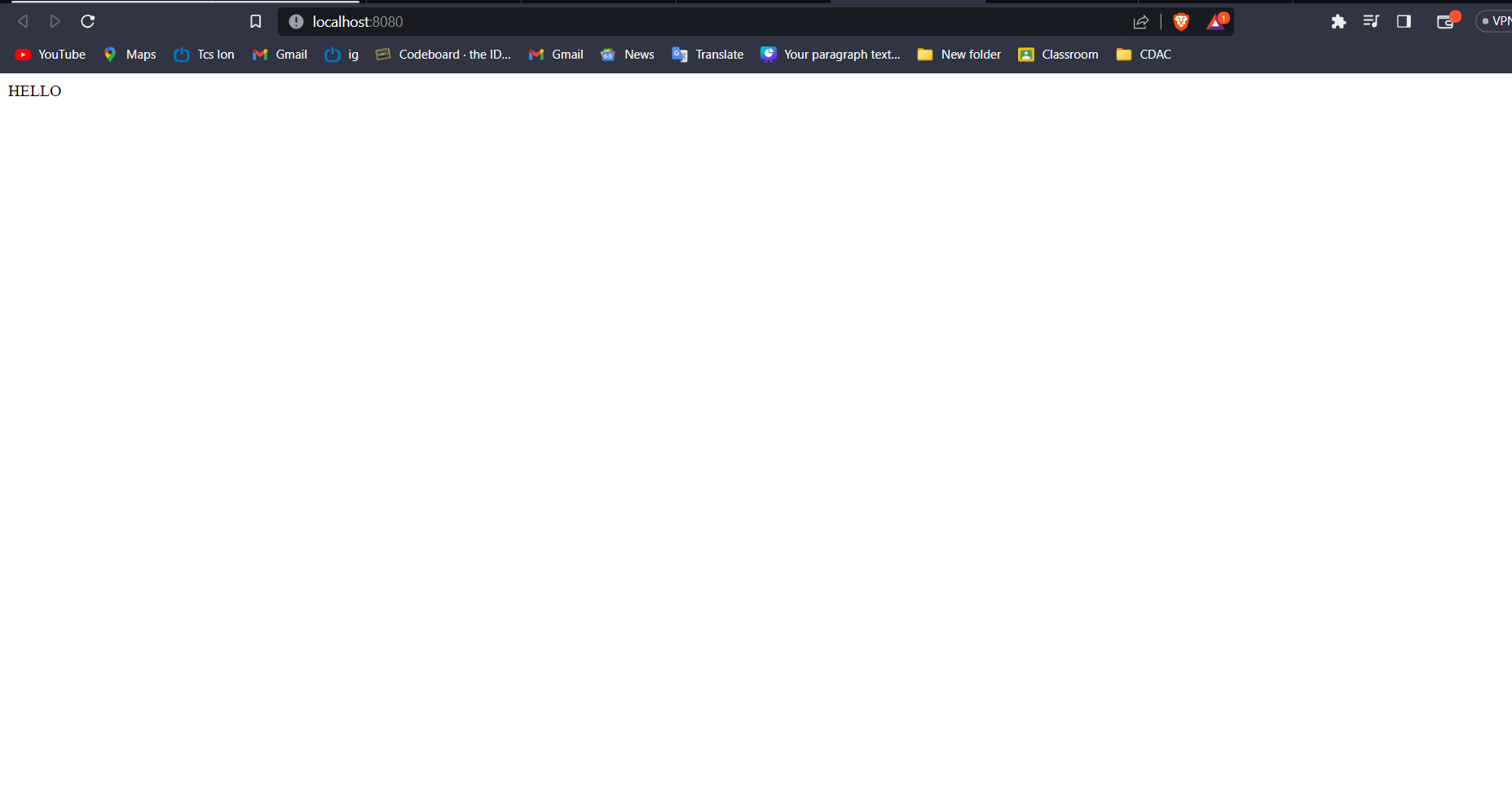
**print(“HELLO”)**

**GCLOUD COMMANDS-**

**C:\Users\simon\AppData\Local\Google\Cloud SDK>google-cloud-sdk\bin\dev\_appserver.py "C:\Users\simon\OneDrive\Desktop\GAE"**





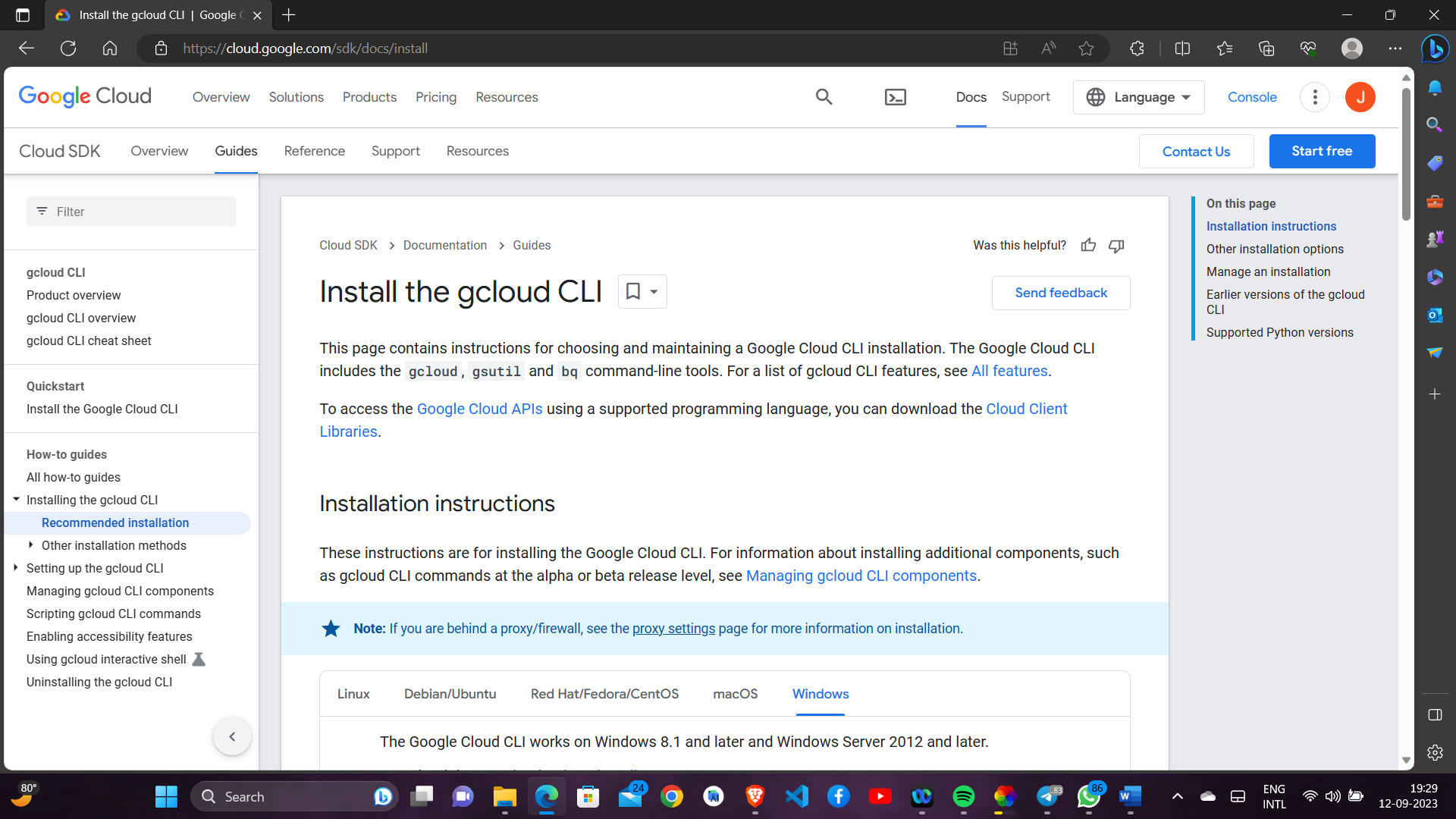


## **STEPS-**

**Install Google Cloud SDK:**

If you haven't already, you'll need to install the Google Cloud SDK on your local machine. This SDK provides the command-line tools and libraries required to interact with Google Cloud services.

You can download and install the SDK from the official Google Cloud website.



**Authenticate with Google Cloud:**

After installing the SDK, you'll need to authenticate yourself to access your Google Cloud resources. Run the following command and follow the prompts to log in:

**gcloud auth login**

**Create a Project:**

If you haven't created a Google Cloud project for your website, you'll need to do so. You can create a project using the following command:

**gcloud projects create PROJECT\_ID**

Set Project Configuration:

Set your default project configuration using the project ID you've just created:

**gcloud config set project PROJECT\_ID**

Enable App Engine:

If you're planning to use Google App Engine to host your website, you'll need to enable it for your project:

**gcloud app create**

Deploy Your Website:

Use the following command to deploy your website to Google App Engine. Replace YOUR\_APP\_NAME with a suitable name for your app and PATH\_TO\_WEBSITE\_FILES with the local path to your website's files.

**gcloud app deploy --project=PROJECT\_ID --version=VERSION\_ID PATH\_TO\_WEBSITE\_FILES**

Access Your Website:

Once the deployment is successful, you'll receive a URL where your website is accessible. You can also open the URL using the following command:

**gcloud app browse**

**Conclusion:**

In this assignment, we have learned about how to deploy a website using a Google App Engine using it as a Platform As A Service (PAAS)