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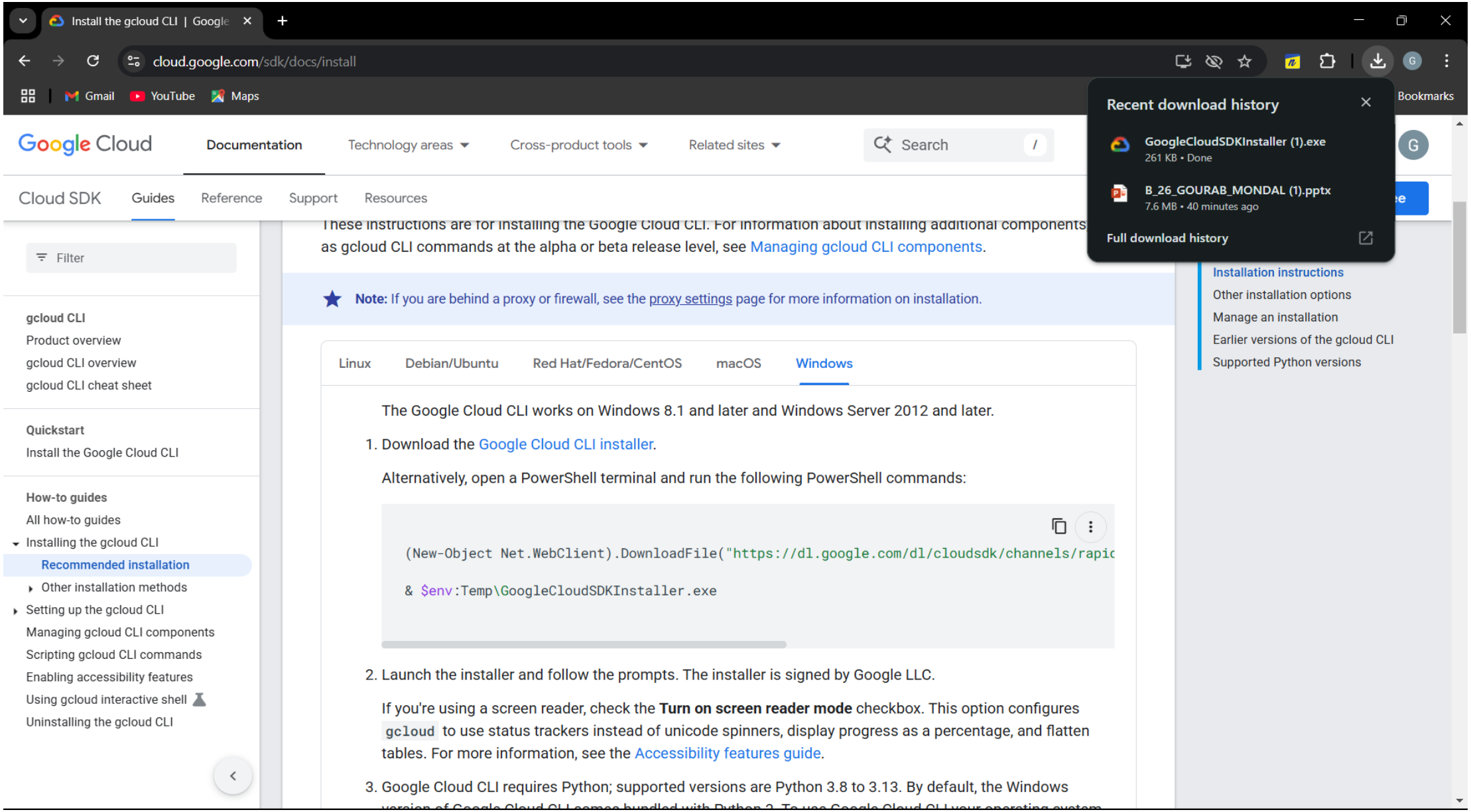
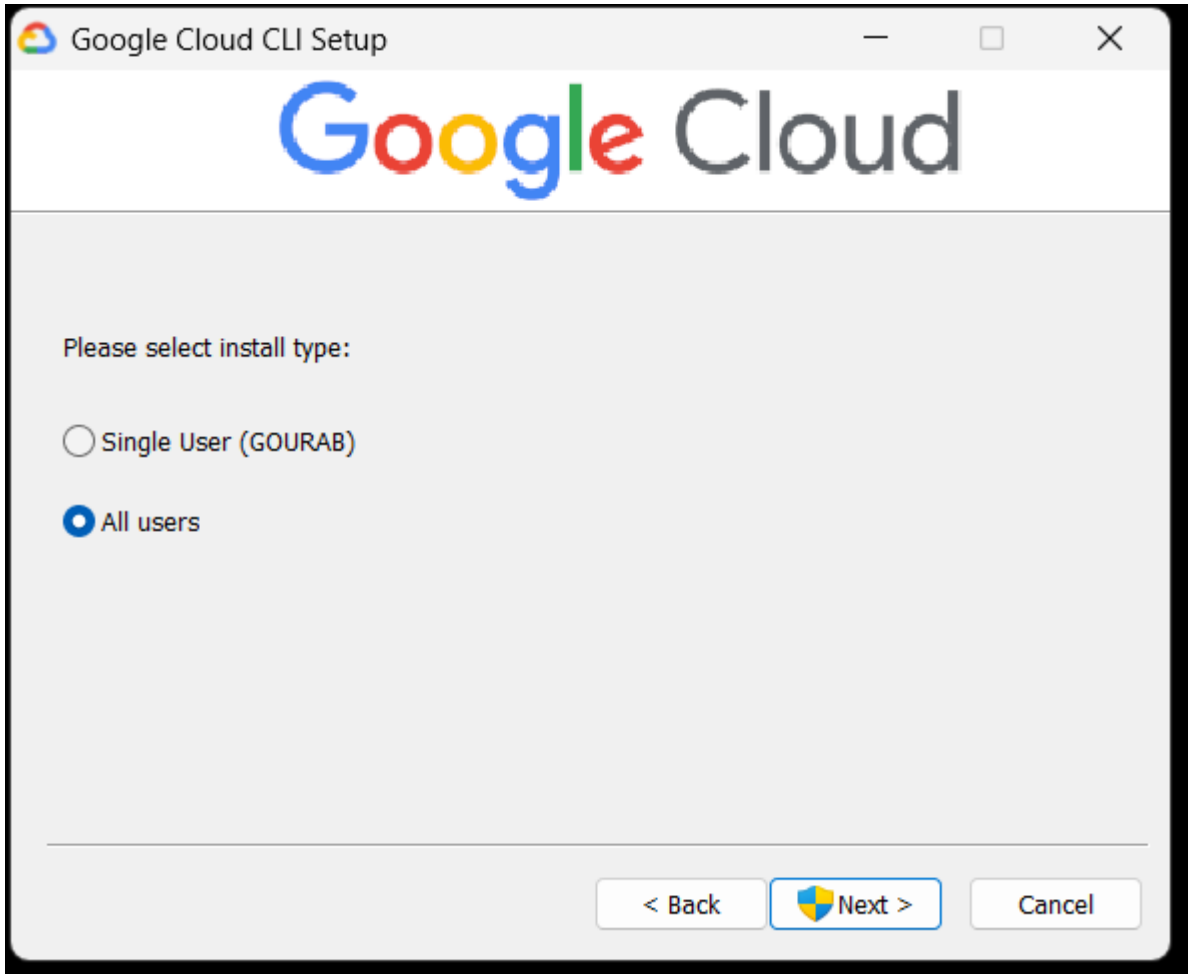
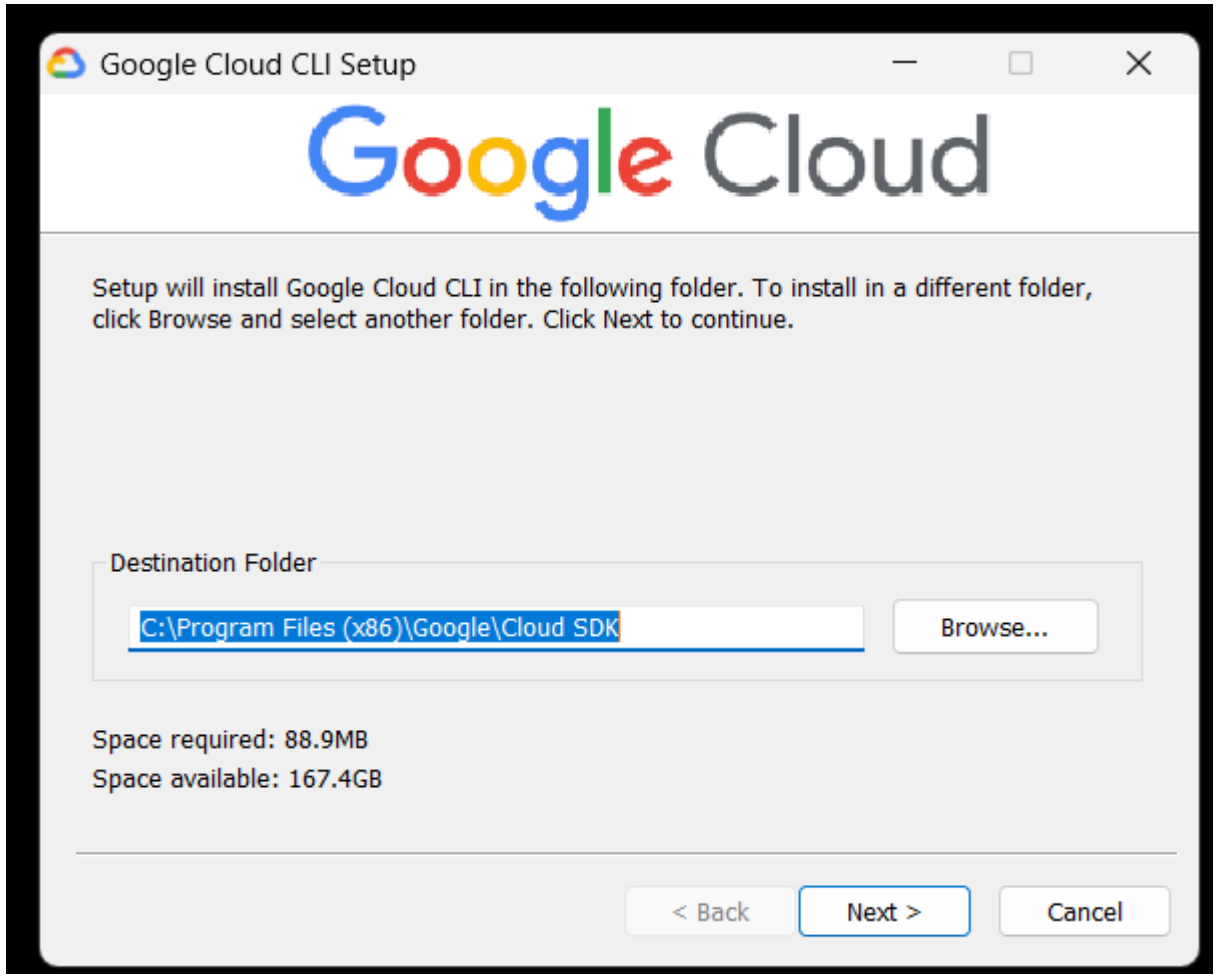
Week 2: STEP WISE INSTALLATION OF GOOGLE APP ENGINE INTO LOCAL SYSTEM

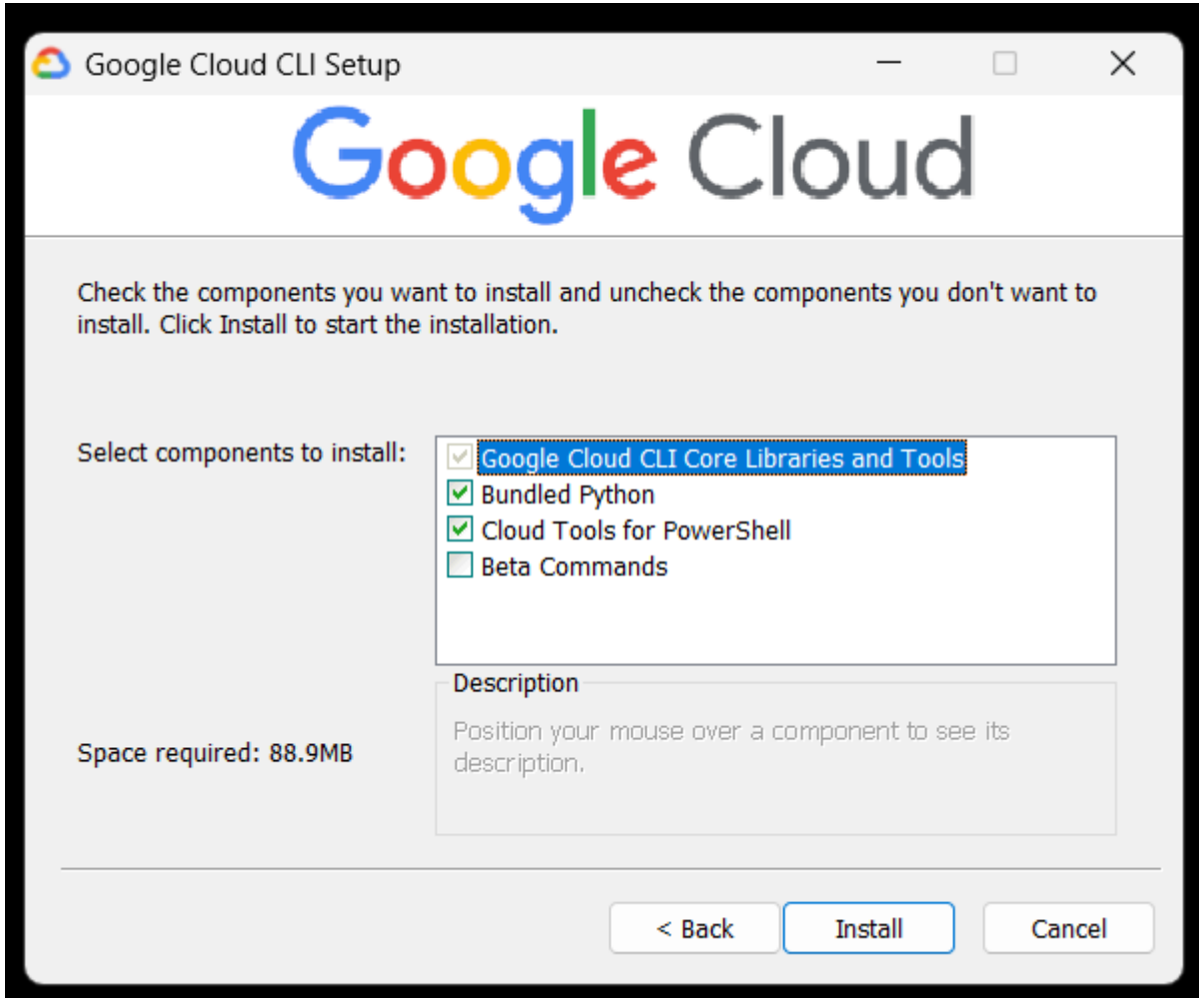
Step 1 -> Visit URL : cloud.google.com/sdk/docs/install and click the download link for GCP SDK



Step 2 ->Run the installer and perform following steps


Google Cloud CLI Setup
Google Cloud
Please select install type:
Single User (GOURAB)
All users
< Back
Next >
Cancel


Google Cloud CLI Setup
Google Cloud
Setup will install Google Cloud CLI in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.
Destination Folder
C:\Program Files (x86)\Google\Cloud SDK
Browse...
Space required: 88.9MB
Space available: 167.4GB
< Back
Next >
Cancel


Google Cloud CLI Setup
Google Cloud
Check the components you want to install and uncheck the components you don't want to install. Click Install to start the installation.
Select components to install:
Google Cloud CLI Core Libraries and Tools
Bundled Python
Cloud Tools for PowerShell
Beta Commands
Description
Position your mouse over a component to see its description.
Space required: 88.9MB
< Back
Install
Cancel

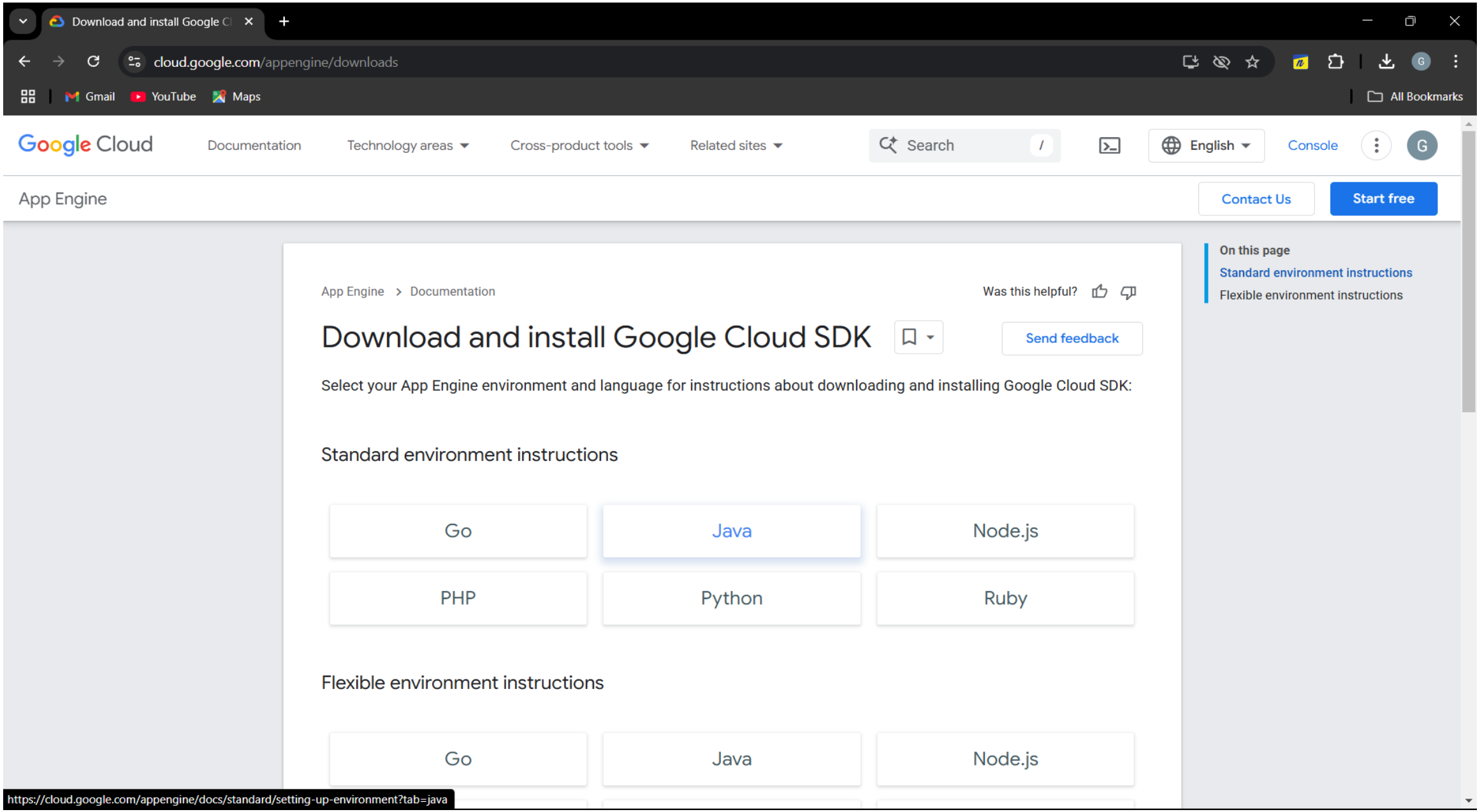

Google Cloud CLI Setup
Completing Google Cloud CLI Setup
Google Cloud CLI has been installed on your computer.
Click Finish to close Setup.
Create Start Menu shortcut
Create Desktop shortcut
Start Google Cloud SDK Shell
Run 'gcloud init' to configure the Google Cloud CLI
< Back
Finish
Cancel

Step 3 -> Authenticate the cloud CLI with proper credentials and verify installation

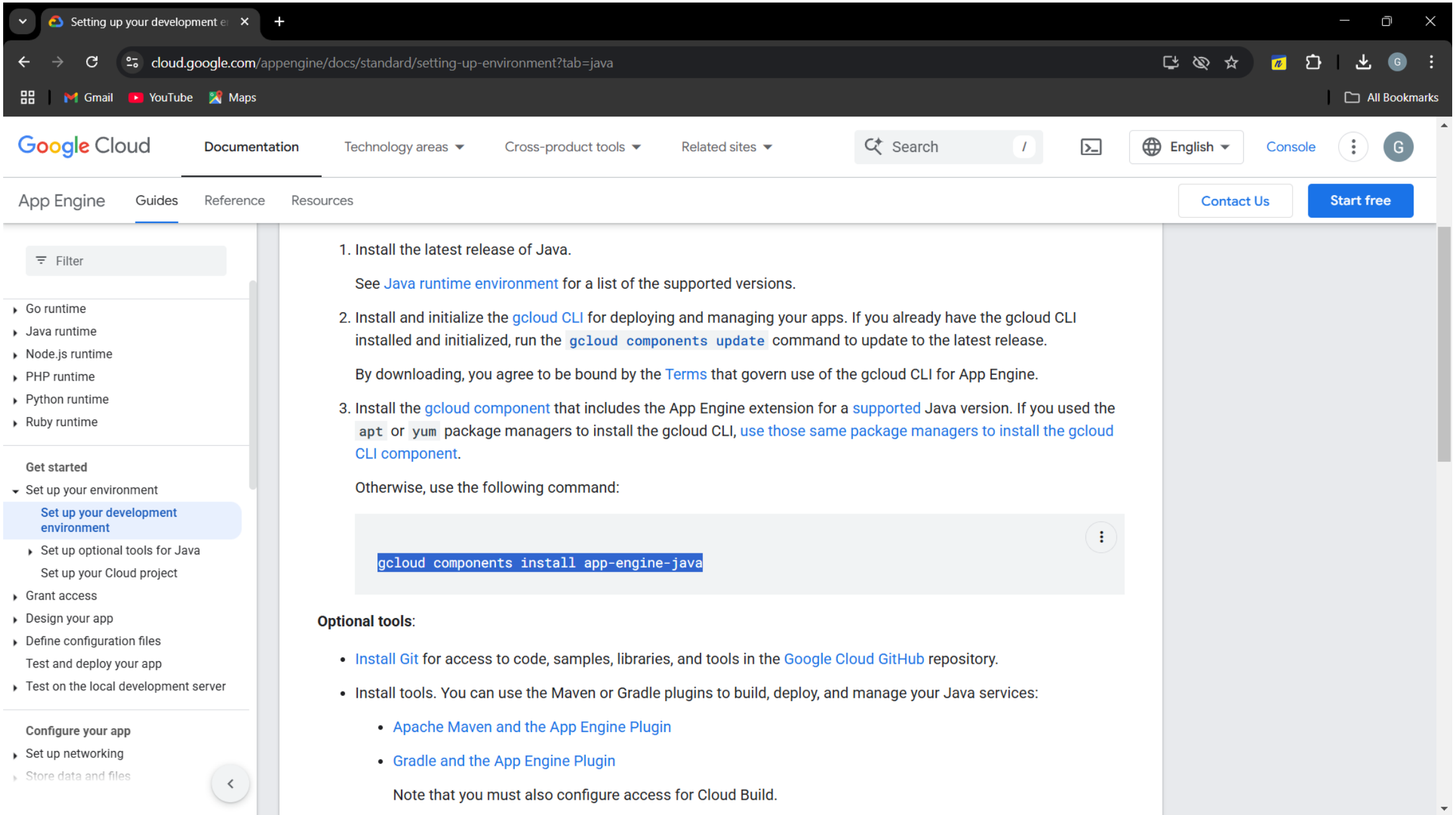
```
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.
---
Welcome! This command will take you through the configuration of gcloud.

Settings from your current configuration [default] are:
accessibility:
  screen_reader: 'False'
core:
  account: gourab.mondal2022@ieminternational.ai
  disable_usage_reporting: 'False'
  project: spry-autumn-451316-e5

Pick configuration to use:
 [1] Re-initialize this configuration [default] with new settings
 [2] Create a new configuration
Please enter your numeric choice:  1

Your current configuration has been set to: [default]

You can skip diagnostics next time by using the following flag:
  gcloud init --skip-diagnostics

Network diagnostic detects and fixes local network connection issues.
Checking network connection...done.
Reachability Check passed.
Network diagnostic passed (1/1 checks passed).

Choose the account you want to use for this configuration.
To use a federated user account, exit this command and sign in to the gcloud CLI with your login configuration file,
then run this command again.

Select an account:
 [1] gourab.mondal2022@ieminternational.ai
 [2] Sign in with a new Google Account
 [3] Skip this step
Please enter your numeric choice:  1

You are signed in as: [gourab.mondal2022@ieminternational.ai].

Pick cloud project to use:
 [1] spry-autumn-451316-e5
 [2] Enter a project ID
 [3] Create a new project
Please enter numeric choice or text value (must exactly match list item):  1

Your current project has been set to: [spry-autumn-451316-e5].

Do you want to configure a default Compute Region and Zone? (Y/n)?  n

Error creating a default .boto configuration file. Please run [gsutil config -n] if you would like to create this file.
The Google Cloud CLI is configured and ready to use!

* Commands that require authentication will use gourab.mondal2022@ieminternational.ai by default
* Commands will reference project `spry-autumn-451316-e5` by default
Run `gcloud help config` to learn how to change individual settings

This gcloud configuration is called [default]. You can create additional configurations if you work with multiple accounts and/or projects.
Run `gcloud topic configurations` to learn more.

Some things to try next:

* Run `gcloud --help` to see the Cloud Platform services you can interact with. And run `gcloud help COMMAND` to get help on any gcloud command.
* Run `gcloud topic --help` to learn about advanced features of the CLI like arg files and output formatting
* Run `gcloud cheat-sheet` to see a roster of go-to `gcloud` commands.

C:\Program Files (x86)\Google\Cloud SDK>
```

```
C:\Program Files (x86)\Google\Cloud SDK>gcloud --version
Google Cloud SDK 511.0.0
bq 2.1.13
core 2025.02.18
gcloud-crc32c 1.0.0
gsutil 5.33

C:\Program Files (x86)\Google\Cloud SDK>
```

Step 4 -> Visit URL : https://cloud.google.com/appengine/downloads and Install Google App Engine java component



Step 5 -> Copy this CLI command and run in terminal with elevated access



```
PS C:\Users\GOURAB> gcloud components install app-engine-java


Your current Google Cloud CLI version is: 511.0.0
Installing components from version: 511.0.0

+-----------------------------------------------------------+
|              These components will be installed.          |
+-----------------------------------------+---------+-------+
|                   Name                  | Version |  Size |
+-----------------------------------------+---------+-------+
| Cloud Datastore Emulator                |   2.3.1 | 36 MiB |
| gRPC Python library (Platform Specific) |  1.20.0 |  1 MiB |
| gcloud app Java Extensions              |  2.0.32 | 128 MiB |
| gcloud app Python Extensions            | 1.9.114 |  3 MiB |
+-----------------------------------------+---------+-------+

For the latest full release notes, please visit:
  https://cloud.google.com/sdk/release_notes

Once started, canceling this operation may leave your SDK installation in an inconsistent state.

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

Performing in place update...

#============================================================#
#= Downloading: Cloud Datastore Emulator                    =#
#============================================================#
#= Downloading: gRPC Python library                         =#
#============================================================#
#= Downloading: gRPC Python library (Platform Specific)     =#
#============================================================#
#= Downloading: gcloud app Java Extensions                  =#
#============================================================#
#= Downloading: gcloud app Python Extensions                =#
#============================================================#
#= Installing: Cloud Datastore Emulator                     =#
#============================================================#
#= Installing: gRPC Python library                          =#
#============================================================#
#= Installing: gRPC Python library (Platform Specific)      =#
#============================================================#
#= Installing: gcloud app Java Extensions                   =#
#============================================================#
#= Installing: gcloud app Python Extensions                 =#
#============================================================#

Performing post processing steps...done.

Update done!

PS C:\Users\GOURAB>
```