## **CLOUD COMPUTING**

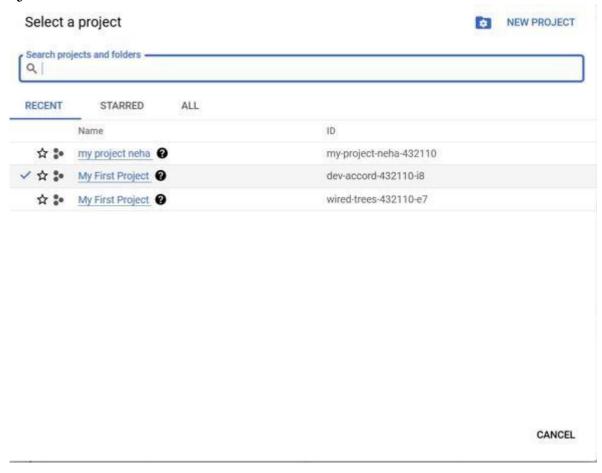
## PRACTICAL 4:To Demonstrate Platform as a Service using Google app Engine

Name: Sahil Jadhav

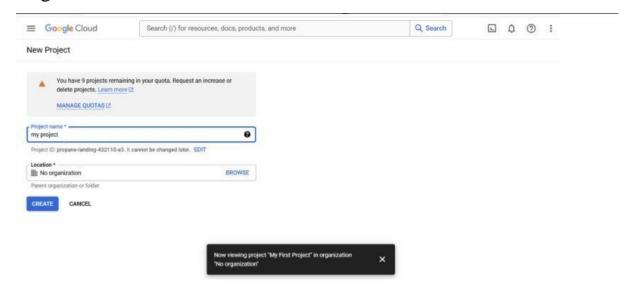
Roll No: A021

MSc SDS Batch 1

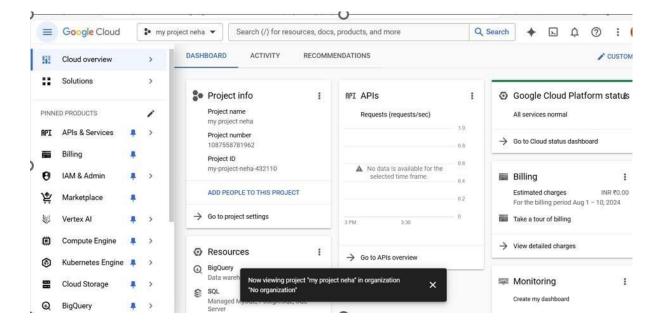
1. Create an account with Google Cloud Platform and Click on My First Project and then NEW PROJECT.



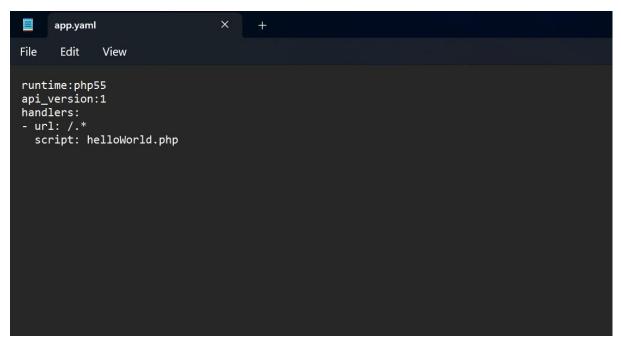
2. Provide Project name "my project". Location can be No organization.



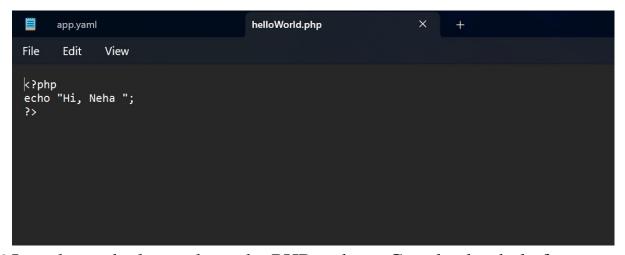
- 2. After Google cloud creates new project as per name specified in previous step, it opens up project home, showing dashboard.
- 3.



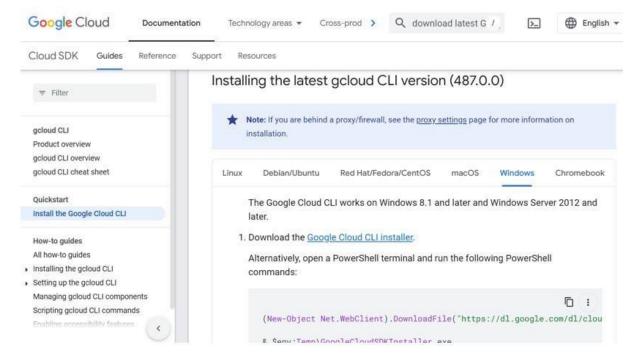
4. Create a new configuration file app.yaml. yaml file contains information about your app's code, such as the runtime and the latest version identifier. Each service in your app has its own app. yaml file, which acts as a descriptor for its deployment.



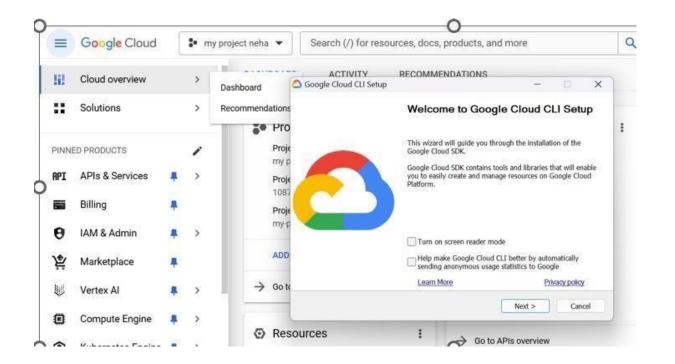
5. Create a PHP code to upload and run and save it as "helloWorld.php"



6:In order to deploy and run the PHP code on Google cloud platform, visit https://cloud.google.com/sdk/docs to download latest Google Cloud SDK and to know how to install it.

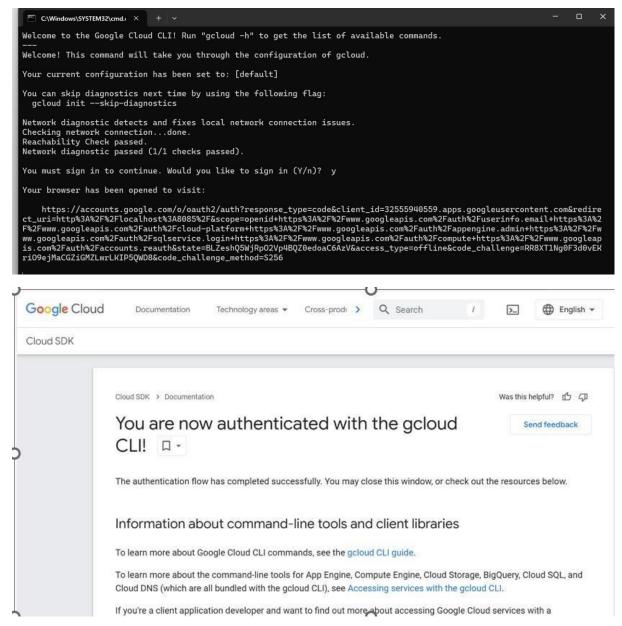


7.open Google cloud SDK installer. It will take some time to download and install SDK from Google Server. At end of installation check Start Google Cloud SDK Shell and Run 'gcloud init' to configure the Cloud SDK.





8. Previous step will open up command prompt with gcloud init command running automatically. It will ask you to login using Google account on which you have joined Google Cloud Platform. After successful login web browser page of cloud.google.com will show You are now authenticated with Google Cloud SDK.



9. In command prompt, running in background will ask you to select project you want to deploy and run. Enter appropriate number and hit enter.

```
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).

You must sign in to continue. Would you like to sign in (Y/n)? y

Your browser has been opened to visit:

https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3

A&PT%2Flocalhost%3A8086%2F&scope=poenid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fsqlservice.login+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faqpengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth%state=BLZeshQ5WjRpO2

VpHBQ2@deoacdcAgv&accoss_type=offline&code_challenge=RR8XTINg0F3d0vEkri09ejMaCGZiGMZLwrLkIP5QWD&code_challenge_method=5256

You are signed in as: [nehatmathew@gmail.com].

Pick cloud project to use:

[1] dev-accord-432110-i8

[2] my-project-neha-432110-i8

[2] my-project-neha-432110-i9

[3] wired-trees-432110-e7

[4] Enter a project ID

[5] Create a new project

Please enter numeric choice or text value (must exactly match list item):
```

10. Change directory to folder where PHP and YAML file is residing.

11. Type gcloud app deploy and select region of Google Data Center where you want to deploy your app, press 5 and press Enter for asiasouth1, i.e. Mumbai. Press Y to continue with deployment. Result will show URL to launch your GoogleApp. Alternatively you can type gcloud app browse to open your App in browse

```
WARNING: Creating an App Engine application for a project is irreversible and the region cannot be changed. More information about regions is at <a href="https://cloud.google.com/appengine/docs/locations">https://cloud.google.com/appengine/docs/locations</a>.

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-northeast3 (supports standard and flexible and search_api)
[4] asia-northeast3 (supports standard and flexible and search_api)
[5] asia-south (supports standard and flexible and search_api)
[6] asia-south (supports standard and flexible and search_api)
[7] asia-southeast1 (supports standard and flexible and search_api)
[8] australia-southeast2 (supports standard and flexible and search_api)
[9] australia-southeast3 (supports standard and flexible and search_api)
[10] europe-west2 (supports standard and flexible and search_api)
[11] europe-west2 (supports standard and flexible and search_api)
[12] europe-west3 (supports standard and flexible and search_api)
[13] europe-west4 (supports standard and flexible and search_api)
[14] europe-west5 (supports standard and flexible and search_api)
[15] northamerica-northeast1 (supports standard and flexible and search_api)
[16] southamerica-aest1 (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-east3 (supports standard and flexible and search_api)
[20] us-west3 (supports standard and flexible and search_api)
[21] us-euest4 (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: 5

Creating App Engine application in project [my-project-neha-432110] and region [asia-northeast3]....\
```

```
[1] europe-west (supports standard and flexible and search_api)
[12] europe-west3 (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 and search_api)
[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
[25] us-west3 (supports standard and flexible and search_api)
[26] us-west4 (supports standard and flexible and search_api)
[27] us-west3 (supports standard and flexible and search_api)
[28] us-west4 (supports standard and flexible and search_api)
[29] us-west5 (supports standard and flexible and search_api)
[29] us-west6 (supports standard and flexible and search_api)
[29] us-west7 (supports standard and flexible and search_api)
[21] us-west9 (supports standard and flexible and search_api)
[22] us-west9 (supports standard and flexible and search_api)
[29] us-w
```