

Cloud Computing (A-2)

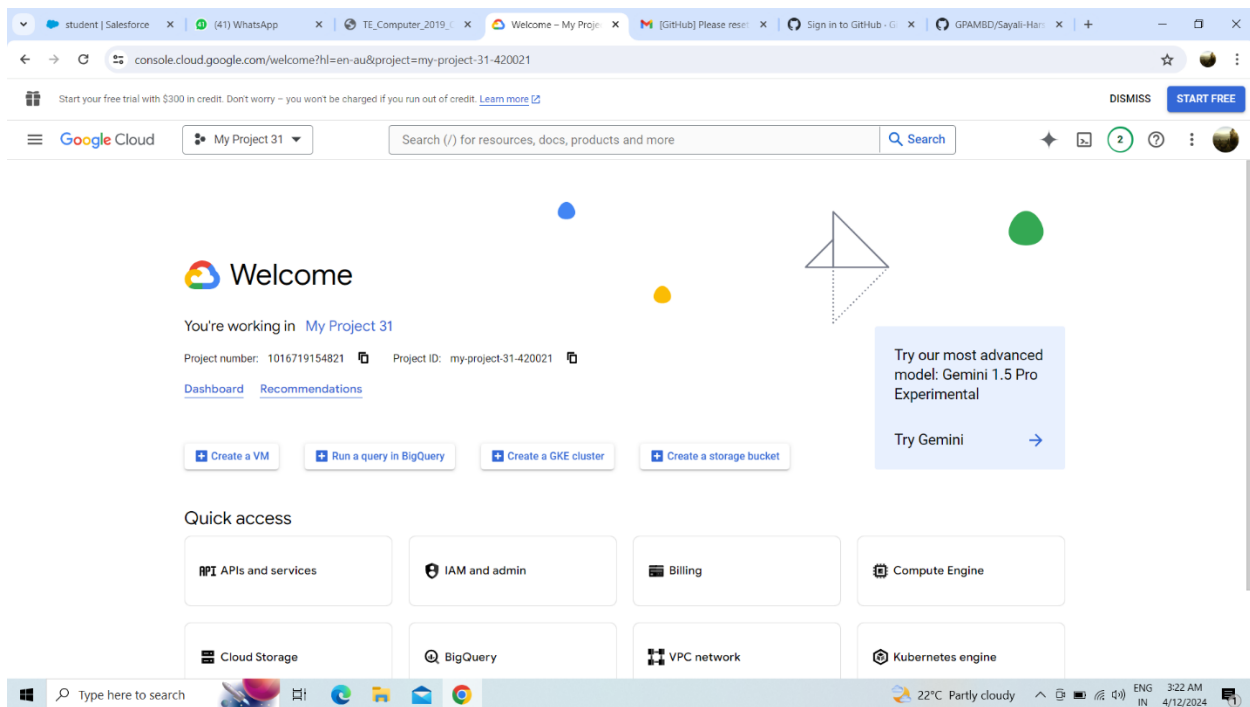
Problem Statement :- Installation and configure Google App Engine.

Google App Engine:

App Engine is a fully managed, serverless platform for developing and hosting web applications at scale. You can choose from several popular languages, libraries, and frameworks to develop your apps, and then let App Engine take care of provisioning servers and scaling your app instances based on demand.

Steps :

1. Sign in the google cloud platform.
2. Create a project and select the project.



3. Select the API.
4. In search box type Admin API.

The screenshot shows the Google Cloud console search results for 'admin API'. The search bar at the top contains 'admin API'. The results list includes:

- App Engine Admin API**: Provisions and manages developers' App Engine applications. Type: API, Producer: Google Enterprise API.
- Cloud Bigtable Admin API**: Administer Bigtable clusters and instances. Type: API, Producer: Google Enterprise API.
- Cloud Bigtable Table Admin API**: Administer Bigtable tables. Type: API, Producer: Google Enterprise API.

There is also a link to 'An Overview of the Admin API - App Engine'. On the left, there are filters for 'Filter by' (Product or page, Documentation or tutorial, Marketplace and APIs, Organisation, Folder, Project, Resources) and 'Resource filters' (Project, folder or org: My Project 31, Resource type: Any). A sidebar on the right provides search tips.

5. Activate Cloud shell.

The screenshot shows the 'App Engine Admin API' product details page. The page header includes the product name and a description: 'Provisions and manages developers' App Engine applications.' Below this, there are buttons for 'MANAGE' and 'TRY THIS API', and a status indicator 'API Enabled'.

The 'Overview' section provides additional details:

- Type: [SaaS & APIs](#)
- Last product update: 22/07/2022
- Category: [Compute](#), [Google Enterprise APIs](#)
- Service name: appengine.googleapis.com

At the bottom, there is a section for 'Tutorials and documentation'.

6. Create repository on git hub and copy project link.
7. Go to cloud platform type —git clone {Paste URL Here}
8. Type —ls
9. Enter into repository, using command cd repository name.

The screenshot shows a web browser window with the Google Cloud console. The main heading is "App Engine Admin API" with a sub-link "Google Enterprise API". Below it, a description states "Provisions and manages developers' App Engine applications." There are buttons for "MANAGE", "TRY THIS API", and a status indicator "API Enabled".

Below the web page is a terminal window titled "CLOUD SHELL Terminal". The terminal shows the following commands and output:

```
aherharshada50@cloudshell:~ (my-project-31-420021) $ git clone https://github.com/GPAMBD/Sayali-Harshada.git
Cloning into 'Sayali-Harshada'...
remote: Enumerating objects: 37, done.
remote: Counting objects: 100% (37/37), done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 37 (delta 9), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (37/37), 2.60 MiB | 2.75 MiB/s, done.
Resolving deltas: 100% (9/9), done.
aherharshada50@cloudshell:~ (my-project-31-420021) $ ls
README-cloudshell.txt Sayali-Harshada
aherharshada50@cloudshell:~ (my-project-31-420021) $ cd Sayali-Harshada
aherharshada50@cloudshell:~/Sayali-Harshada (my-project-31-420021) $ ls
1.png 3.png bg2.png database.py hello.log.png img1.png report.py 'Screenshot (150).png' swa.png
2.png add.py covid_pro.py fll.png hello.py README.md 'Screenshot (149).png' 'Screenshot (153).png'
aherharshada50@cloudshell:~/Sayali-Harshada (my-project-31-420021) $ python hello.py
Hello
aherharshada50@cloudshell:~/Sayali-Harshada (my-project-31-420021) $
```