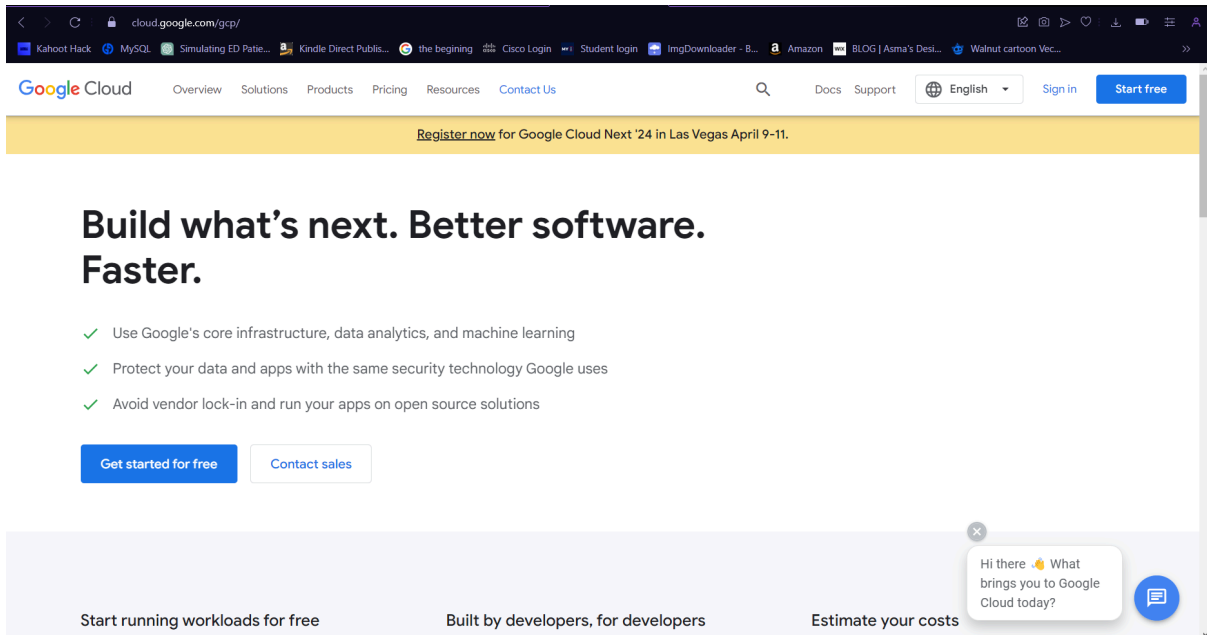
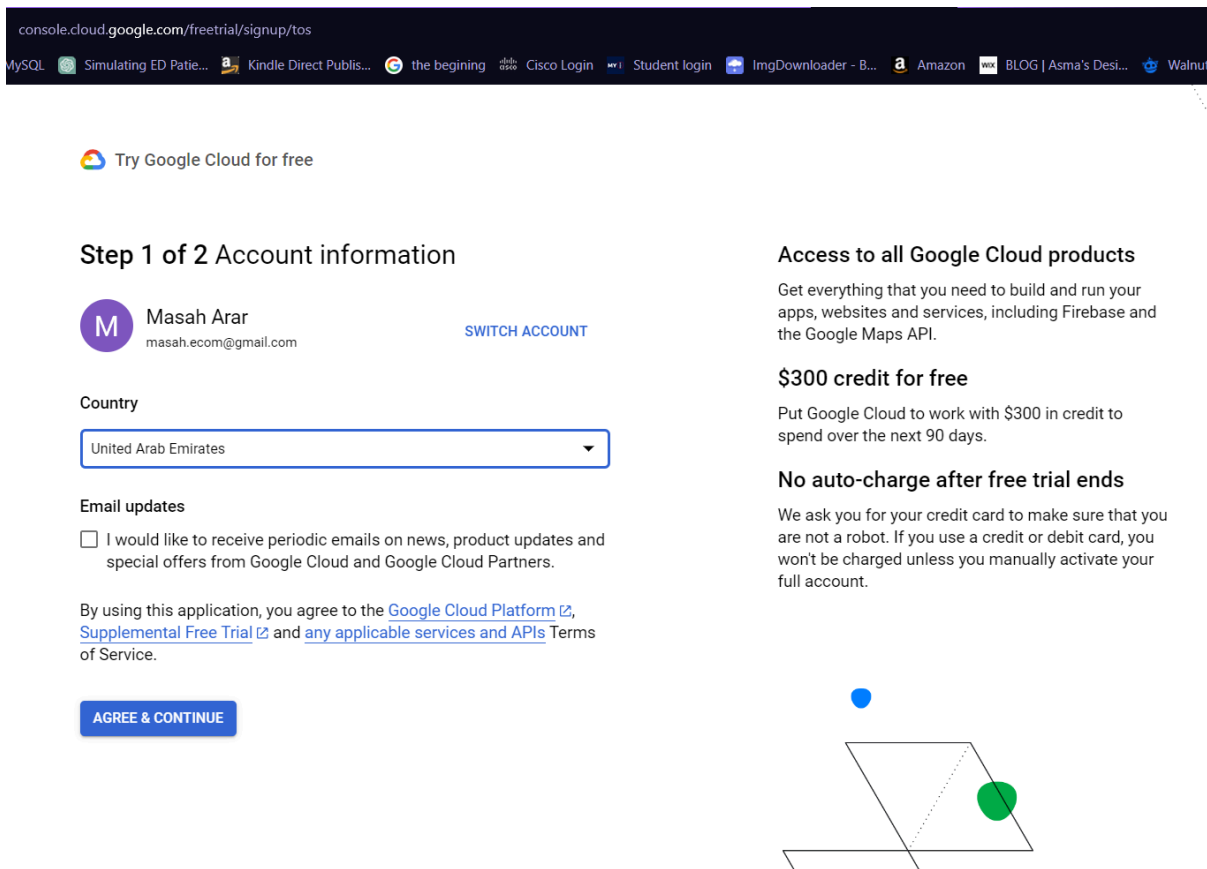


1. Please go to the google cloud website: <https://cloud.google.com/gcp/> or search google cloud console.



2. Press on "Get started for free"



3. Please continue with filling out your details, it will ask you for billing information. It will NOT charge you for anything using this project so please follow the instructions carefully.

console.cloud.google.com/freetrial/signup/billing/AE

MySQL Simulating ED Patie... Kindle Direct Publis... the begining Cisco Login Student login ImgDownloader - B... Amazon BLOG | Asma's Desi...

Try Google Cloud for free

## Step 2 of 2 Payment information verification

Your payment information helps us to reduce fraud and abuse. If using a credit or debit card, you won't be charged until you manually activate your full account.

### Customer info

**Account type** ⓘ  
Business

**Tax information** ⓘ ⓘ  
Tax status: Business

**Name and address** ⓘ

Business name  
Student

Name  
Masah Arar

Address line 1  
Dubai

Address line 2  
UAE

Emirate  
Dubai

### Access to all Google Cloud products

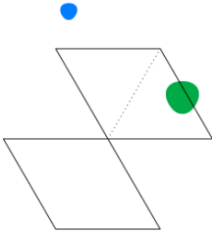
Get everything that you need to build and run your apps, websites and services, including Firebase and the Google Maps API.

### \$300 credit for free

Put Google Cloud to work with \$300 in credit to spend over the next 90 days.

### No auto-charge after free trial ends

We ask you for your credit card to make sure that you are not a robot. If you use a credit or debit card, you won't be charged unless you manually activate your full account.



4. You can copy what I wrote EXCEPT my name.
5. Fill out the payment information. It says that no automatic payments will be made.
6. Press on "Start Free".
7. You will then be given a pop up, feel free to fill it up the same way that is provided in the images:

## Welcome, Masah Arar!

Your free trial includes \$300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.

**1** What best describes your organisation or needs?

Please select \*

Start-up

NEXT

**2** What brought you to Google Cloud?

**3** What are you interested in doing with Google Cloud?

**4** What best describes your role?

CLOSE

DONE

## Welcome, Masah Arar!

Your free trial includes \$300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.

✓ What best describes your organisation or needs?

2 What brought you to Google Cloud?

Please select \*

Learn about specific products, services and/or APIs

NEXT

3 What are you interested in doing with Google Cloud?

4 What best describes your role?

CLOSE

DONE

## Welcome, Masah Arar!

Your free trial includes \$300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.

✓ What best describes your organisation or needs?

✓ What brought you to Google Cloud?

3 What are you interested in doing with Google Cloud?

✓ Websites

Mobile apps

Move workloads

Data analytics

Data management

Artificial intelligence/machine learning

Storage/backup

Game development

Virtual machines (VMs)

Hybrid/multi-cloud

Containerisation

SAP on Google Cloud

Secure apps and/or services

Google Maps

Other APIs (e.g. Text-to-Speech, Speech-to-Text, Vision)

Other

I'm not sure yet

NEXT

4 What best describes your role?

CLOSE

DONE



## Welcome, Masah Arar!

Your free trial includes \$300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.

- ✓ What best describes your organisation or needs?
- ✓ What brought you to Google Cloud?
- ✓ What are you interested in doing with Google Cloud?
- 4 What best describes your role?

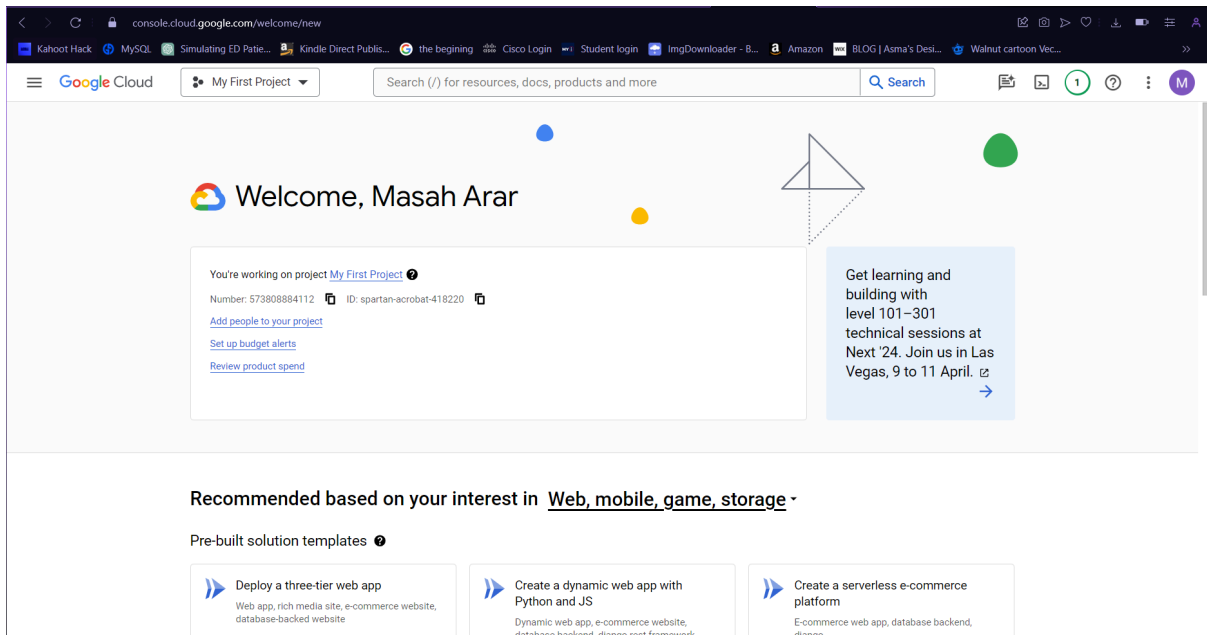
Please select \*

Engineer/Developer

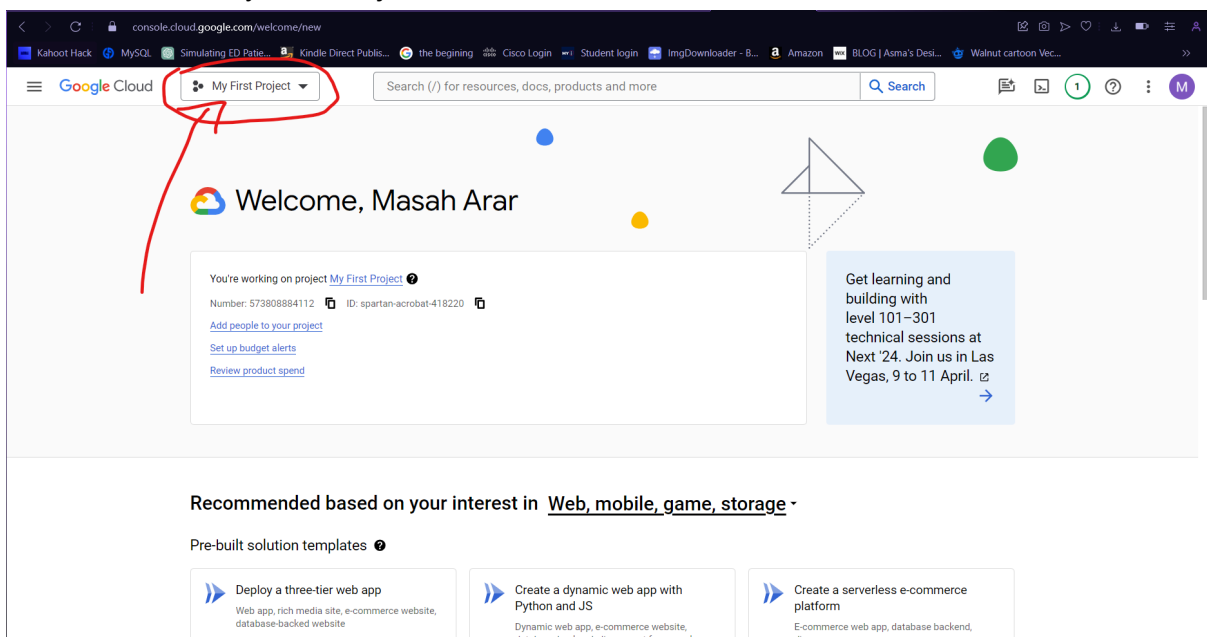
CLOSE

DONE

8. After completing it you will be redirected to this page:



9. Click on “My First Project” as shown:



10. Click on new project:

Select a project

NEW PROJECT

Search projects and folders

RECENT

STARRED

ALL

	Name	ID
✓ ☆ ●	<a href="#">My First Project</a> ?	spartan-acrobat-418220

CANCEL

11. Input the same information as in the image and click "CREATE":




console.cloud.google.com/projectcreate

Kahoot Hack MySQL Simulating ED Patie... Kindle Direct Publis... the beginning

Google Cloud

Search (/) for resources, docs, pro

## New Project

 You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)


[MANAGE QUOTAS](#)

**Project name \***

Career Bridge

Project ID: career-bridge-418220. It cannot be changed later. [EDIT](#)

**Location \***

 No organisation [BROWSE](#)

Parent organisation or folder

[CREATE](#) [CANCEL](#)

12. Click on "My First Project" again:


console.cloud.google.com/welcome/new

MySQL Simulating ED Patie... Kindle Direct Publis... the begining Cisco Login Student login ImgDownloader - B... Amazon

oud My First Project Search (/) for resources, docs, products and more

# Welcome, Masah Arar

**You're in free trial**



0 out of \$300 credits used  
Expires 24 June 2024  
[What happens when trial ends?](#)

**ACTIVATE FULL ACCOUNT**

You're working on project [My First Project](#) ?

Number: 573808884112 ID: spartan-acrobat-418220

[Add people to your project](#)

[Set up budget alerts](#)

[Review product spend](#)

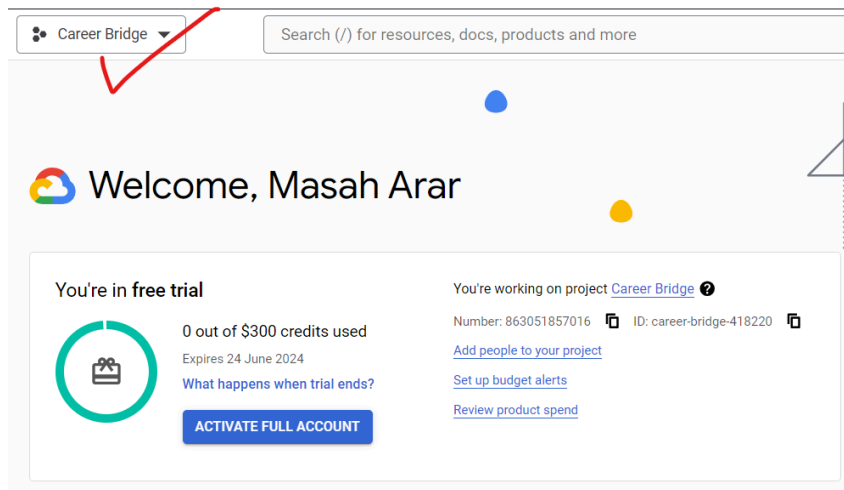
13. Click on "Career Bridge"

Select a project NEW PROJECT

Search projects and folders

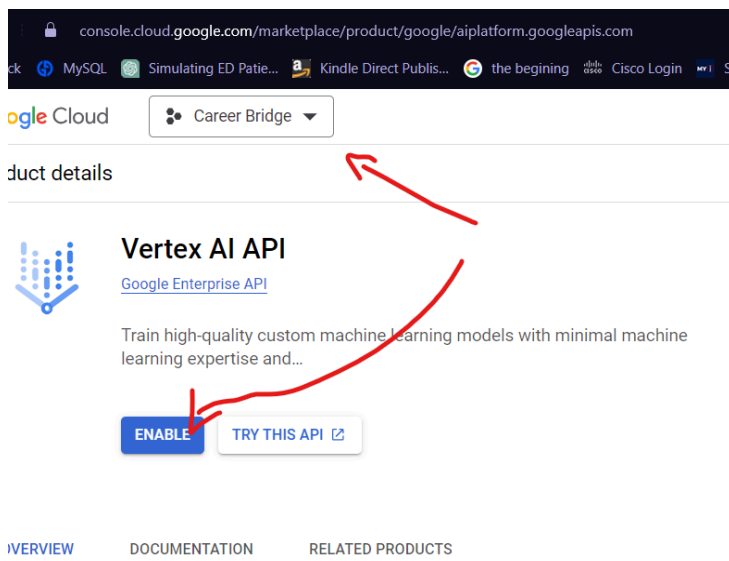
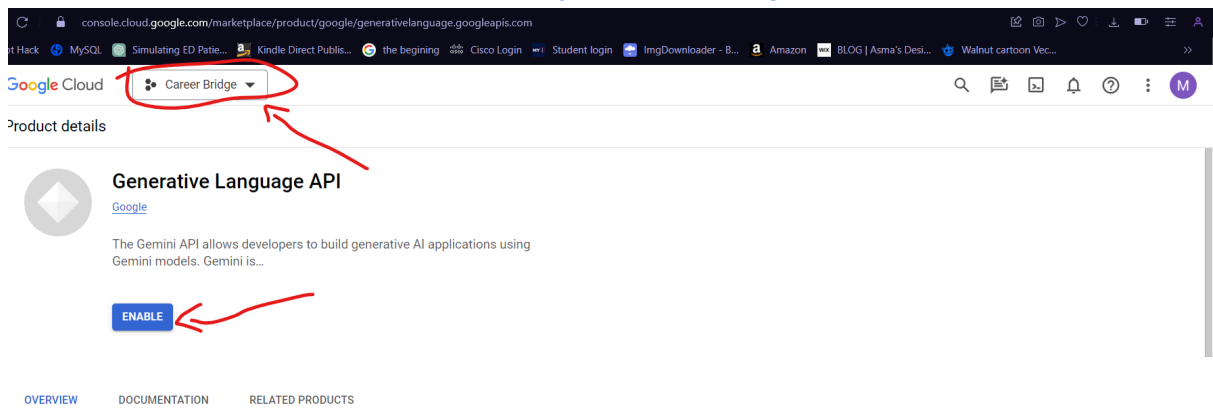
RECENT STARRED ALL

	Name	ID
☆	<a href="#">Career Bridge</a> ?	career-bridge-418220
✓ ☆	<a href="#">My First Project</a> ?	spartan-acrobat-418220

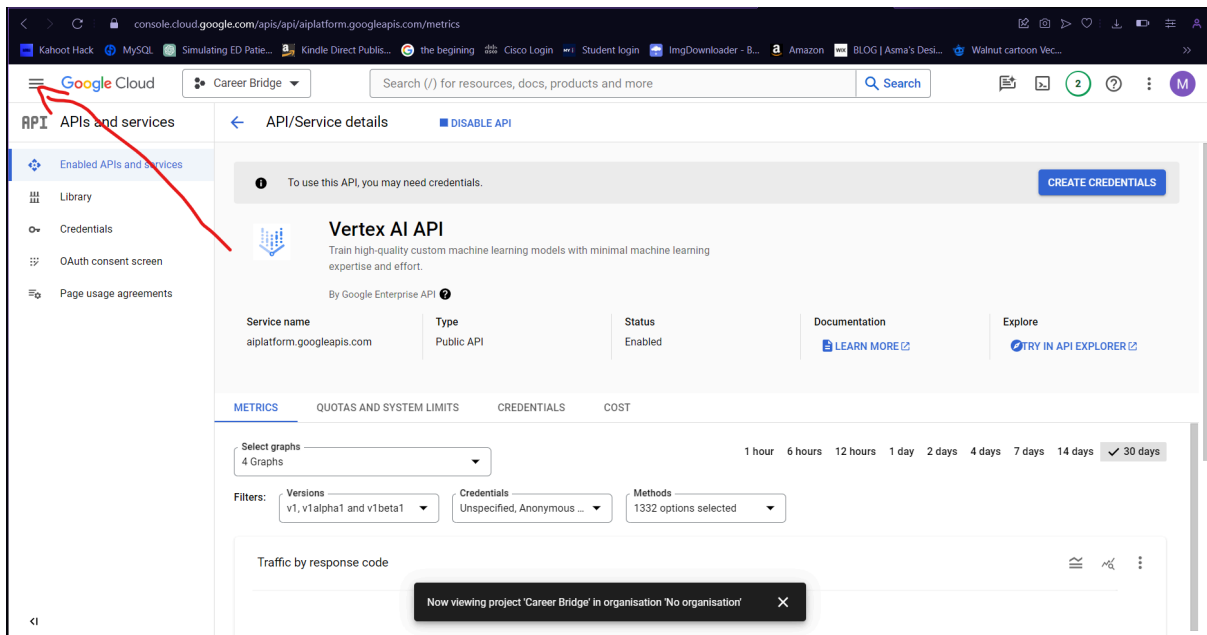


14. Now go to these 2 links and enable “Generative Language API” and “Vertex AI API”:  
<https://console.cloud.google.com/marketplace/product/google/generativelanguage.googleapis.com?q=search&referrer=search&project=career-bridge-418220>

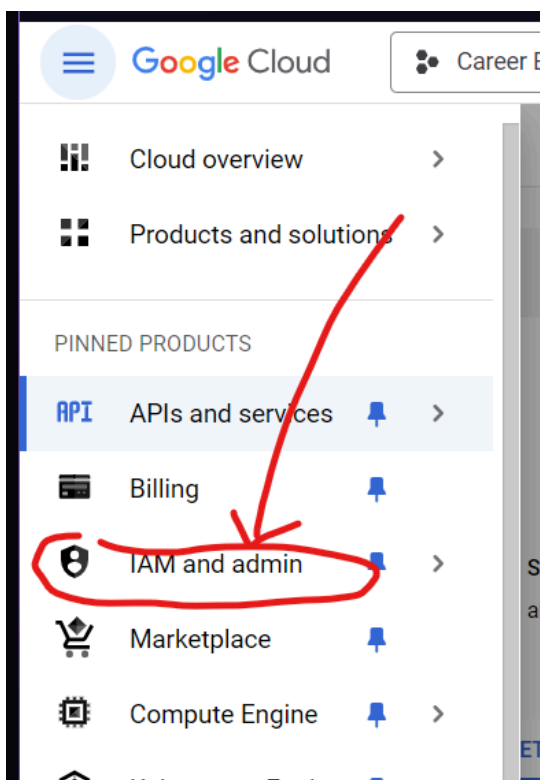
<https://console.cloud.google.com/marketplace/product/google/aiplatform.googleapis.com?q=search&referrer=search&project=career-bridge-418220>



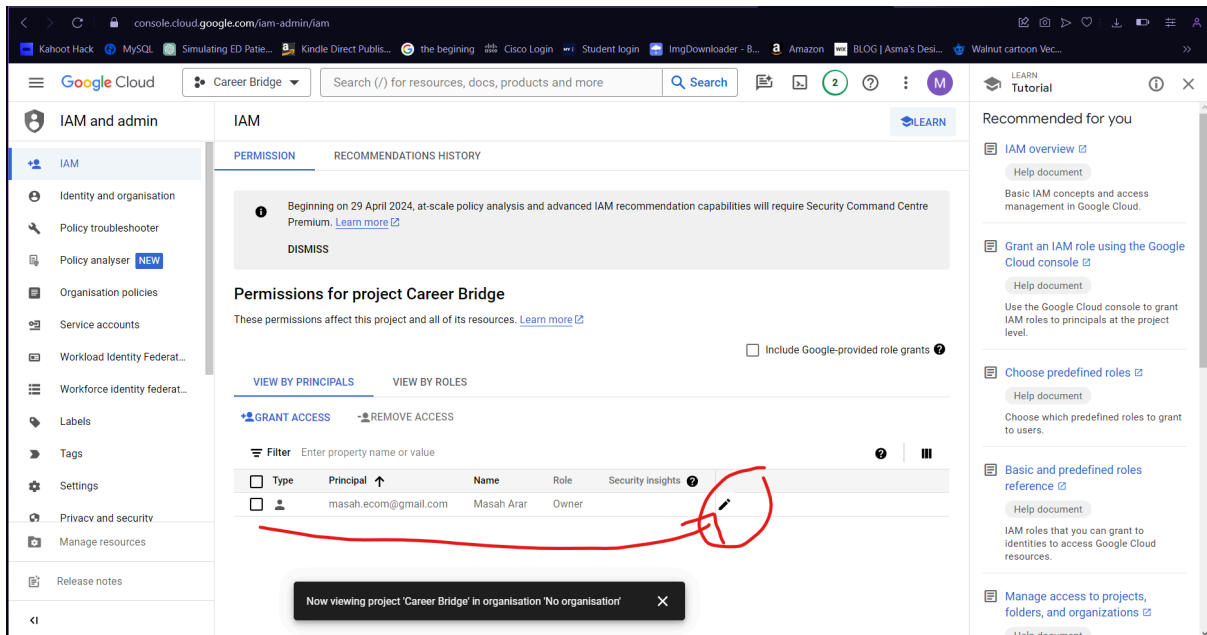
15. After enabling them you will be redirected to this page, press on the hamburger menu located on the top left:



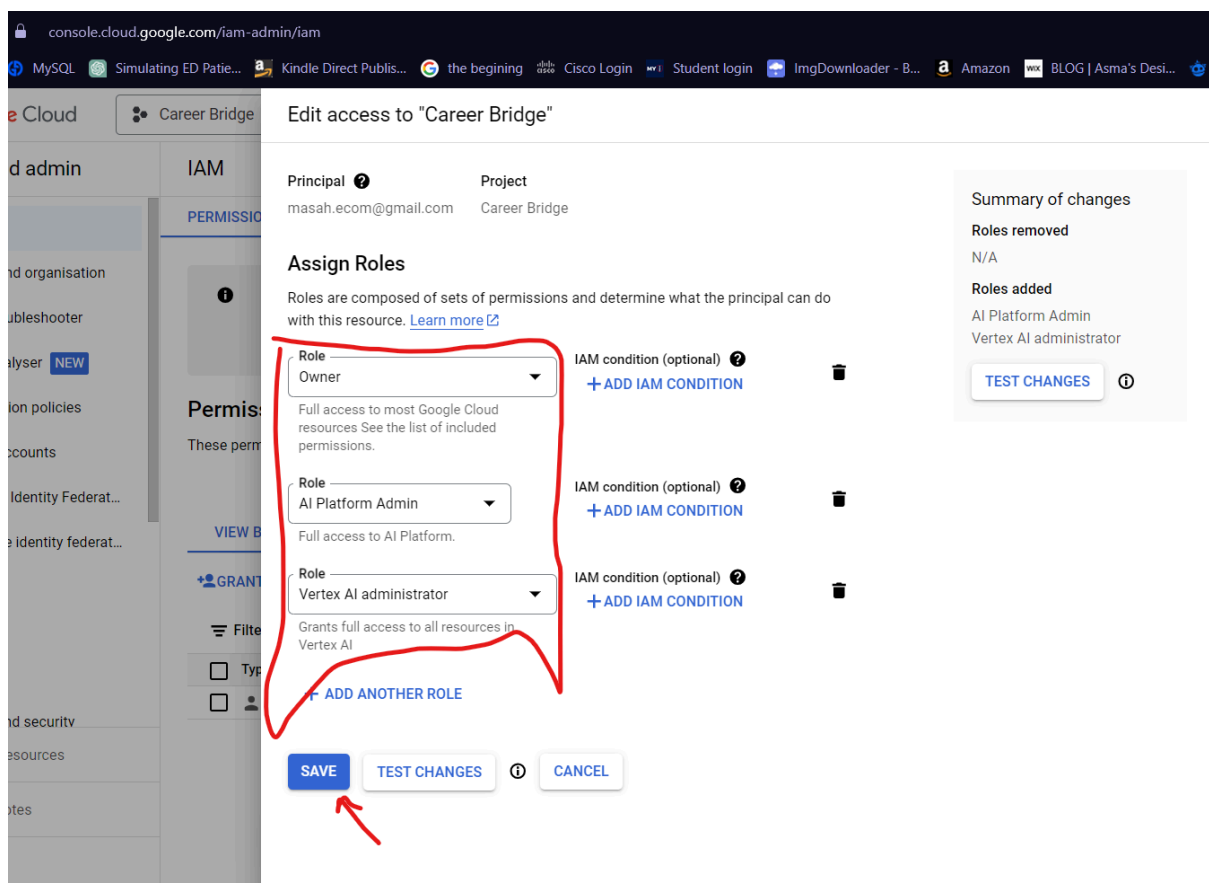
16. Click on “IAM and Admin”:



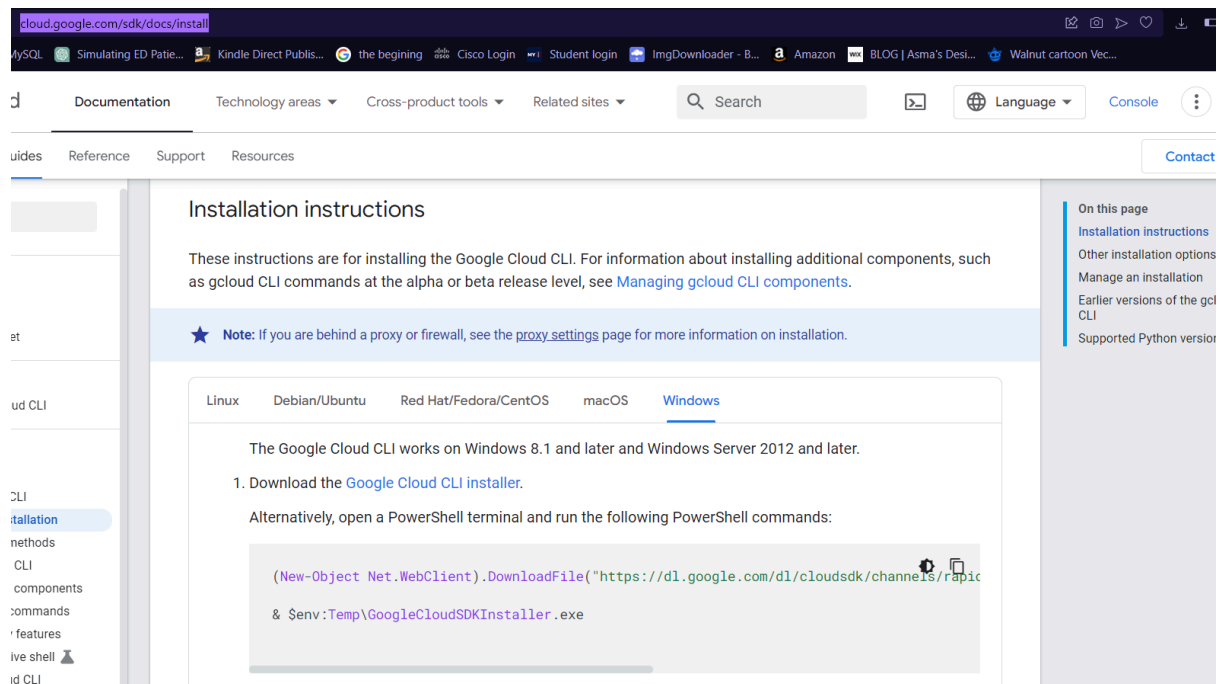
17. Then start editing:



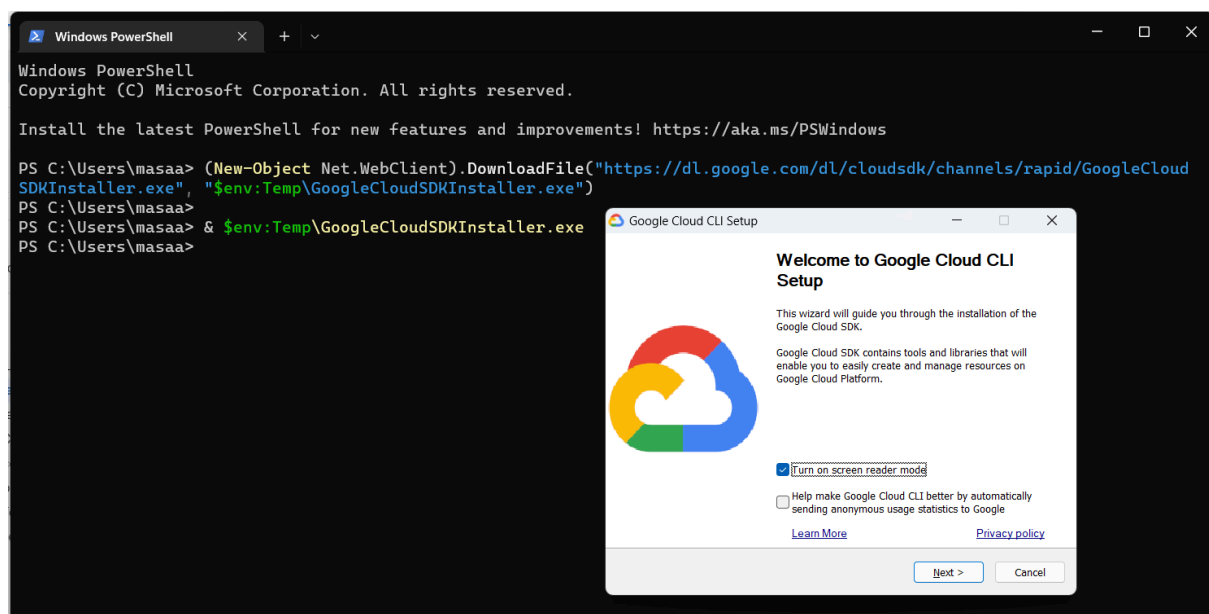
18. Add the following roles and save the changes:



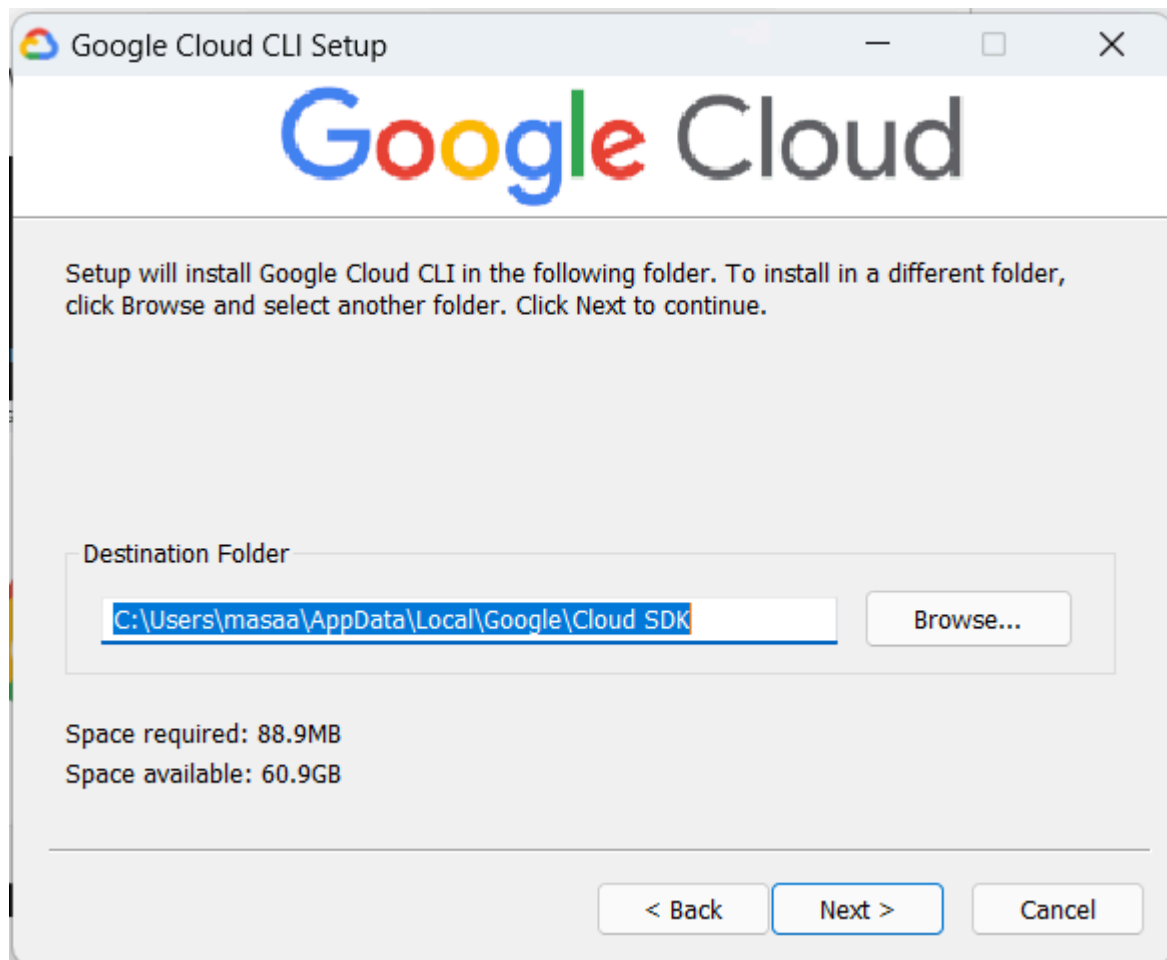
19. Now we are done with google cloud configuration. We can now install the cloud CLI.  
 20. Open this link to follow your systems OS, I am using windows so will show the steps for windows: <https://cloud.google.com/sdk/docs/install>



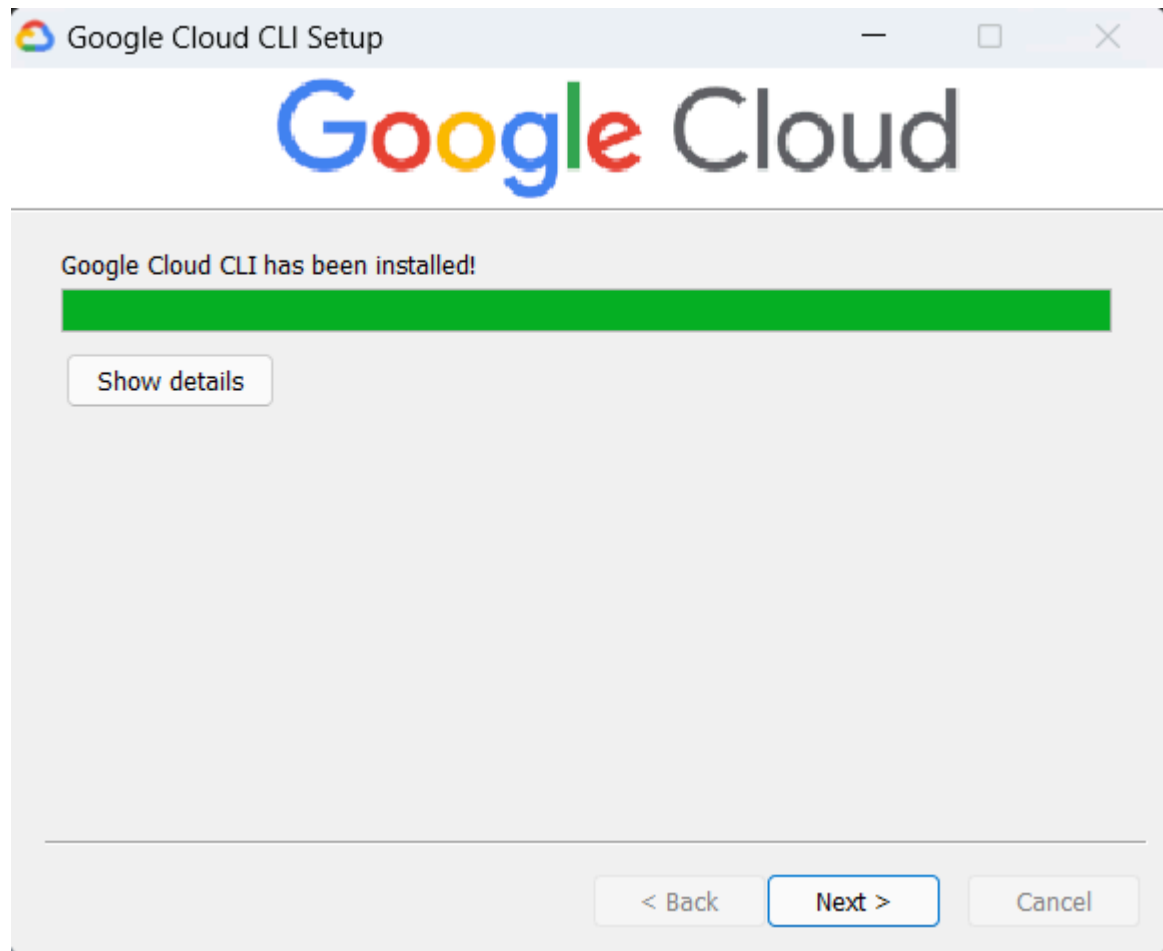
21. Copy the command and run it on your powershell:



22. Go through the installation steps.



23. Save the installation space so you can use it later.



24. Press next.





25. Click on finish and the google cloud CLI should open by itself

```
C:\WINDOWS\SYSTEM32\cmd.exe
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.

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 log in to continue. Would you like to log in (Y/n)? |
```

26. Log in with the account you just set up on google cloud.

```
C:\WINDOWS\SYSTEM32\cmd
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.

Your current configuration has been set to: [default]

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

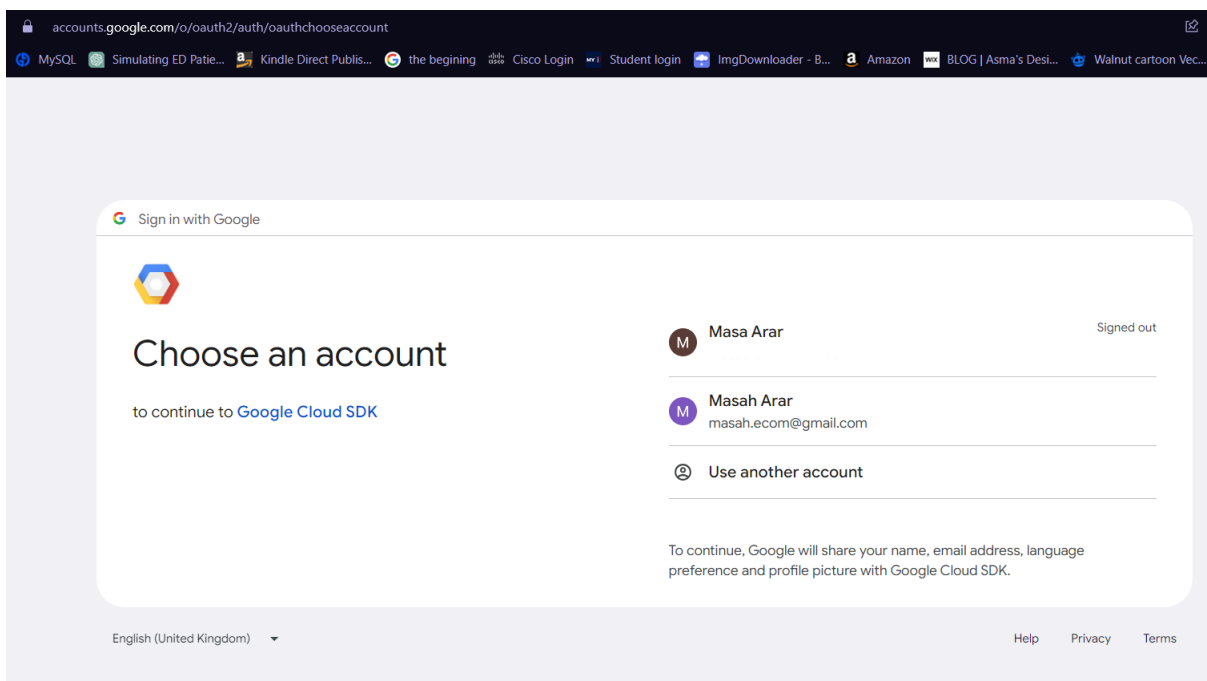
Network diagnostic detects and fixes local network connection issues.
Checking network connection...done.
Reachability Check passed.
Network diagnostic passed (1/1 checks passed).

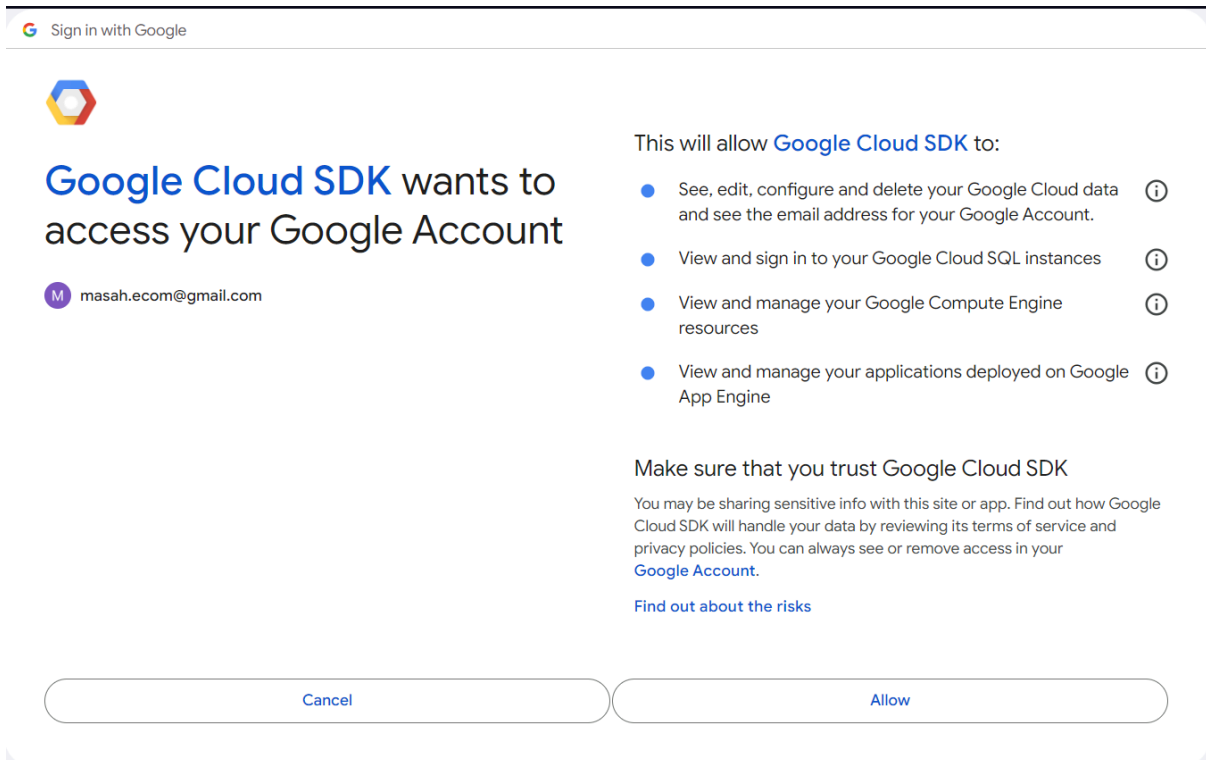
You must log in to continue. Would you like to log in (Y/n)? y

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%3A%2F%2Flocalhost%3A8085%2F&scope=openid+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%2Fsaml.service.login+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=OXCASfQhjuVilrFiWLAms5WKjBljwNe&access_type=offline&code_challenge=Hpvq1ks8RON-zpB05MGcqqxQmlb4KhE9bC_kCixVsFQ&code_challenge_method=S256

|
```





27. Allow everything

28. Now that you are logged in go back to the open terminal

```
You must log in to continue. Would you like to log 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%3A%2F%2Flocalhost%3A8085%2F&scope=openid+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%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=0XCASfQhjuVilrFiWLAm5WKjBljwNe&access_type=offline&code_challenge=Hpvq1ks8RON-zpB05MGcqqxQmlb4KhE9bC_kCixVsFQ&code_challenge_method=S256
You are logged in as: [masah.ecom@gmail.com].
Pick cloud project to use:
[1] career-bridge-418220
[2] spartan-acrobat-418220
[3] Enter a project ID
[4] Create a new project
Please enter numeric choice or text value (must exactly match list item): 1
```

29. Please pick the one we just made, which is career bridge.

30. IF you close the terminal tab by mistake before logging in type “gcloud init” you will get the same script.

31. Now we need to add an api key and use it.

32. First download the code zip file and extract it in the Cloud SDK file that i asked you to save earlier: C:\Users\masaa\AppData\Local\Google\Cloud SDK

Name	Date modified	Type	Size
Combined Code - Create and Login with ...	25/03/2024 03:46	File folder	
google-cloud-sdk	25/03/2024 03:20	File folder	
cloud_env	25/03/2024 03:19	Windows Batch File	1 KB
Combined Code - Create and Login with ...	24/03/2024 23:41	Compressed (zipp...	66,518 KB
install_mode	25/03/2024 03:25	File	1 KB
supercloud-1016	23/01/2024 02:41	ICO File	2 KB
uninstaller	25/03/2024 03:25	Application	63 KB

33. Go back to api and services:

The screenshot shows the Google Cloud console navigation menu. The 'APIs and services' option is highlighted with a red arrow. A dropdown menu is open, displaying the following options:

- Enabled APIs and services
- Library
- Credentials
- OAuth consent screen
- Page usage agreements

34. Go to credentials and create new credentials

API

APIs and services

Enabled APIs and services

Library

Credentials

OAuth consent screen

Page usage agreements

Credentials

+ CREATE CREDENTIALS

DELETE

RESTORE DELETED CREDENTIALS

Create credentials to access your enabled APIs. [Learn more](#)

Remember to configure the OAuth consent screen with information about your application.

API keys

Name

Creation date

No API keys to display

OAuth 2.0 Client IDs

Name

Creation date

No OAuth clients to display

Service Accounts

Email

Name

No service accounts to display

35. Pick API key

+ CREATE CREDENTIALS

DELETE

RESTORE DELETED CREDENTIALS

API key

Identifies your project using a simple API key to check quota and access

OAuth client ID

Requests user consent so that your app can access the user's data.

Service account

Enables server-to-server, app-level authentication using robot accounts

Help me choose

Asks a few questions to help you decide which type of credential to use

Career Bridge

Search (/) for resources, docs, products and i

Credentials

+ CREATE CREDENTIALS

DELETE

REST

!S

Create credentials to access your enabled APIs. [Learn more](#)

Remember to configure the OAuth consent screen with information about

API keys

<input type="checkbox"/>	Name	Creation date
<input type="checkbox"/>	<div>API key 1</div>	25 Mar 2024

OAuth 2.0 Client Ids

<input type="checkbox"/>	Name	Creation date
No OAuth clients to display		

Service Accounts

<input type="checkbox"/>	Email	Nan
No service accounts to display		

36. Set the settings as follows:

## Set an application restriction

Application restrictions limit an API key's usage to specific websites, IP addresses, Android applications or iOS applications. You can set one application restriction per key.

- ☒ None
- ☐ Websites
- ☐ IP addresses
- ☐ Android apps
- ☐ iOS apps

## API restrictions

API restrictions specify the enabled APIs that this key can call

- ☐ Don't restrict key  
This key can call any API
- ☒ Restrict key

1 API

### Selected APIs:

Generative Language API

Note: It may take up to five minutes for settings to take effect.

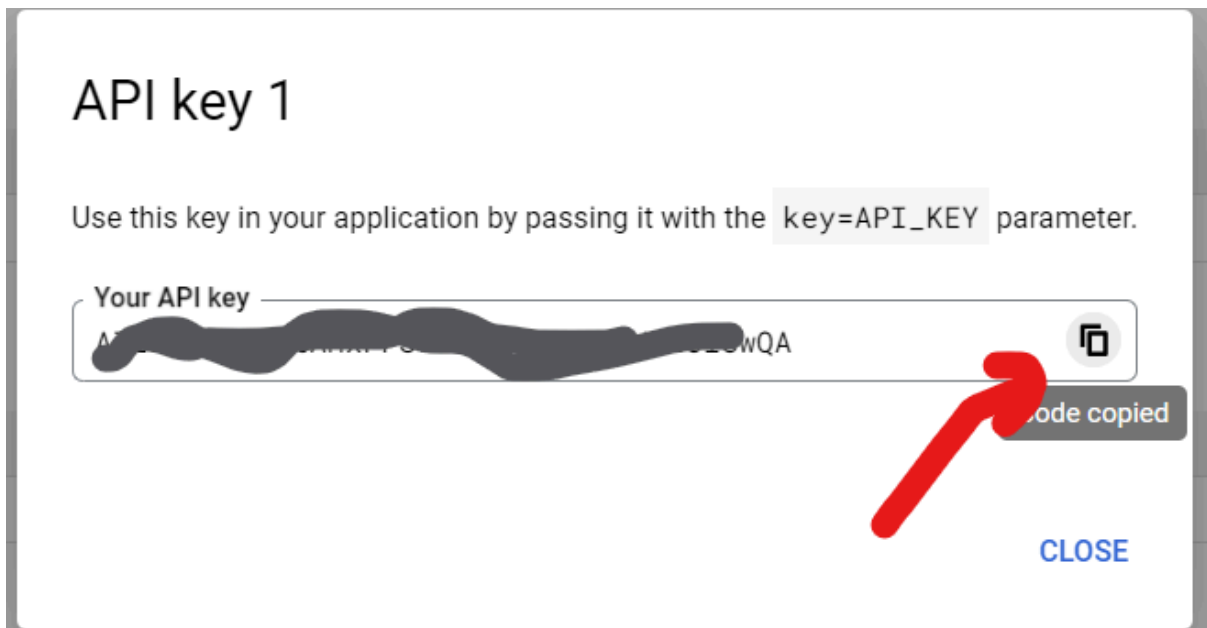
SAVE

CANCEL

### API keys

<input type="checkbox"/>	Name	Creation date ↓	Restrictions	Actions
<input type="checkbox"/>	✓ API key 1	25 Mar 2024	Generative Language API ...	<a href="#">SHOW KEY</a> ⋮

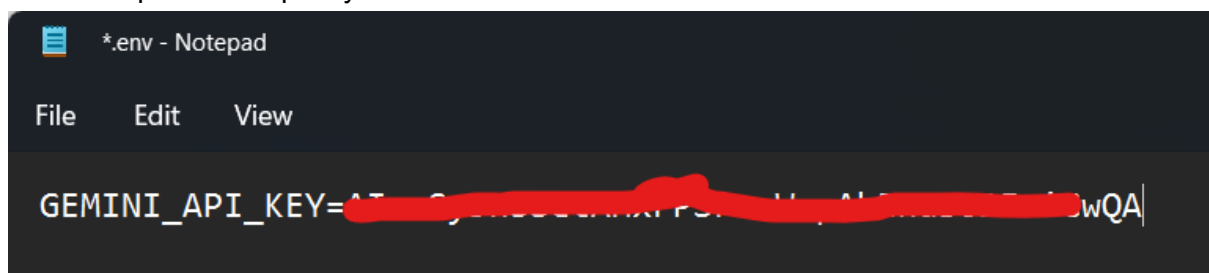
37. Copy key



38. Navigate to the file called .env

Name	Date modified	Type	Size
.vs	25/03/2024 03:46	File folder	
components	25/03/2024 03:46	File folder	
node_modules	25/03/2024 03:59	File folder	
public	25/03/2024 03:59	File folder	
.env	25/03/2024 03:46	ENV File	1 KB
aboutUSnew	25/03/2024 03:46	Opera GX Web Do...	22 KB
career_service	25/03/2024 03:46	JavaScript Source ...	2 KB
career_services	25/03/2024 03:46	Opera GX Web Do...	66 KB
certification	25/03/2024 03:46	Opera GX Web Do...	5 KB

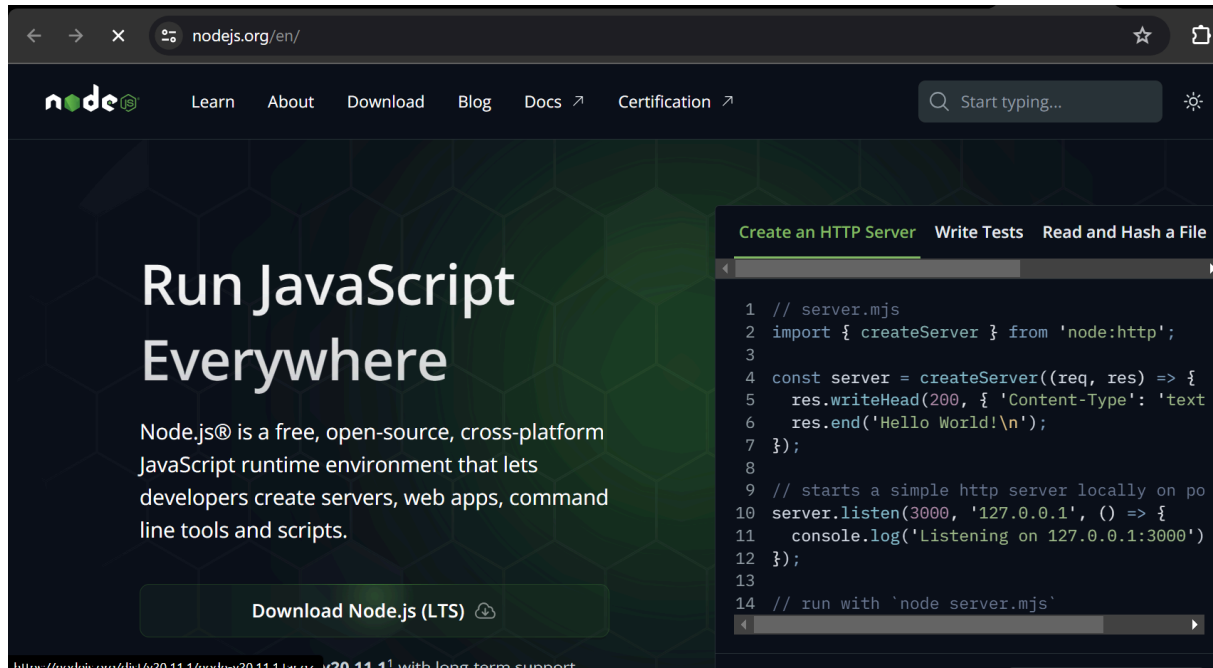
39. Replace the api key.



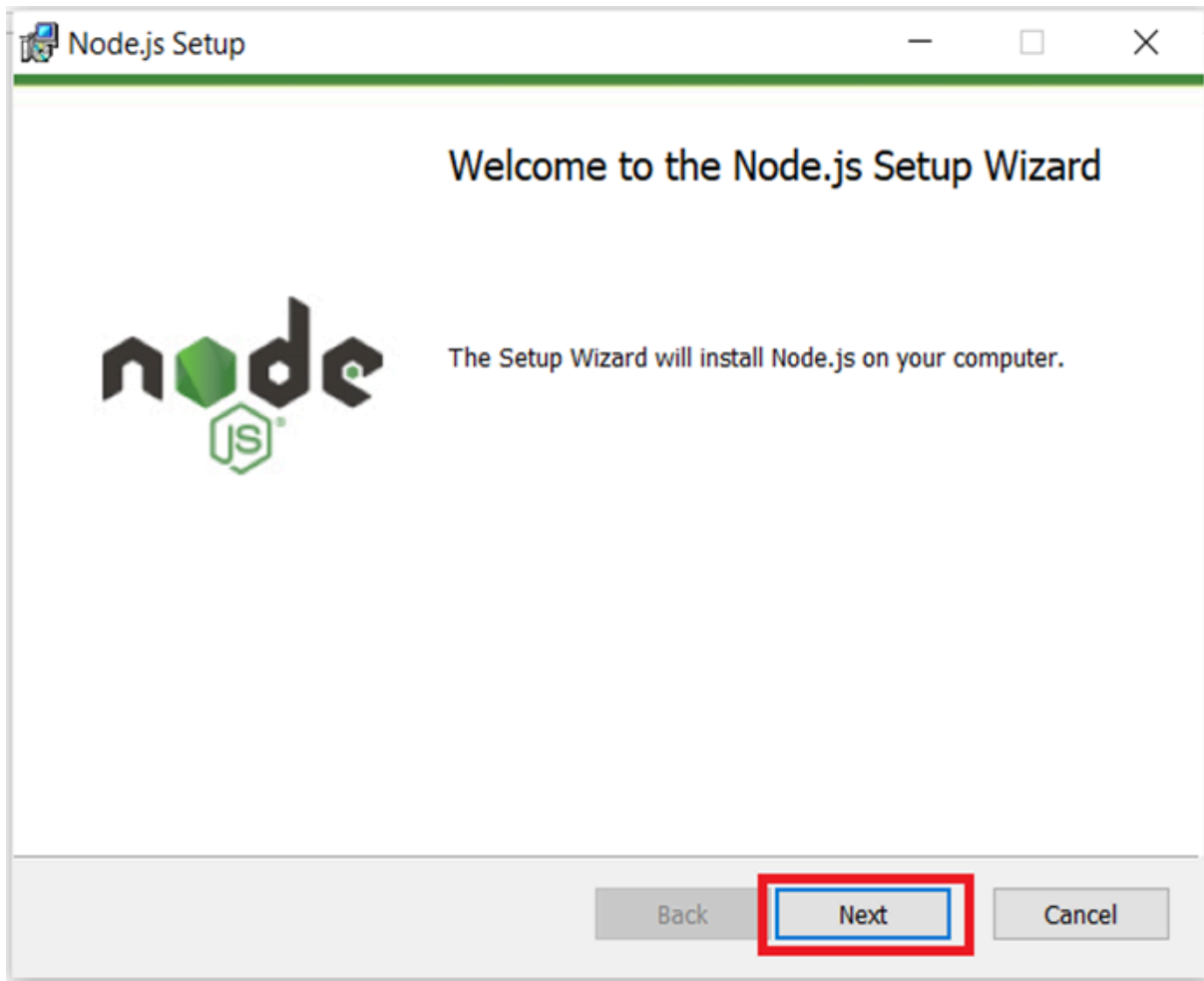


Node.js installation:

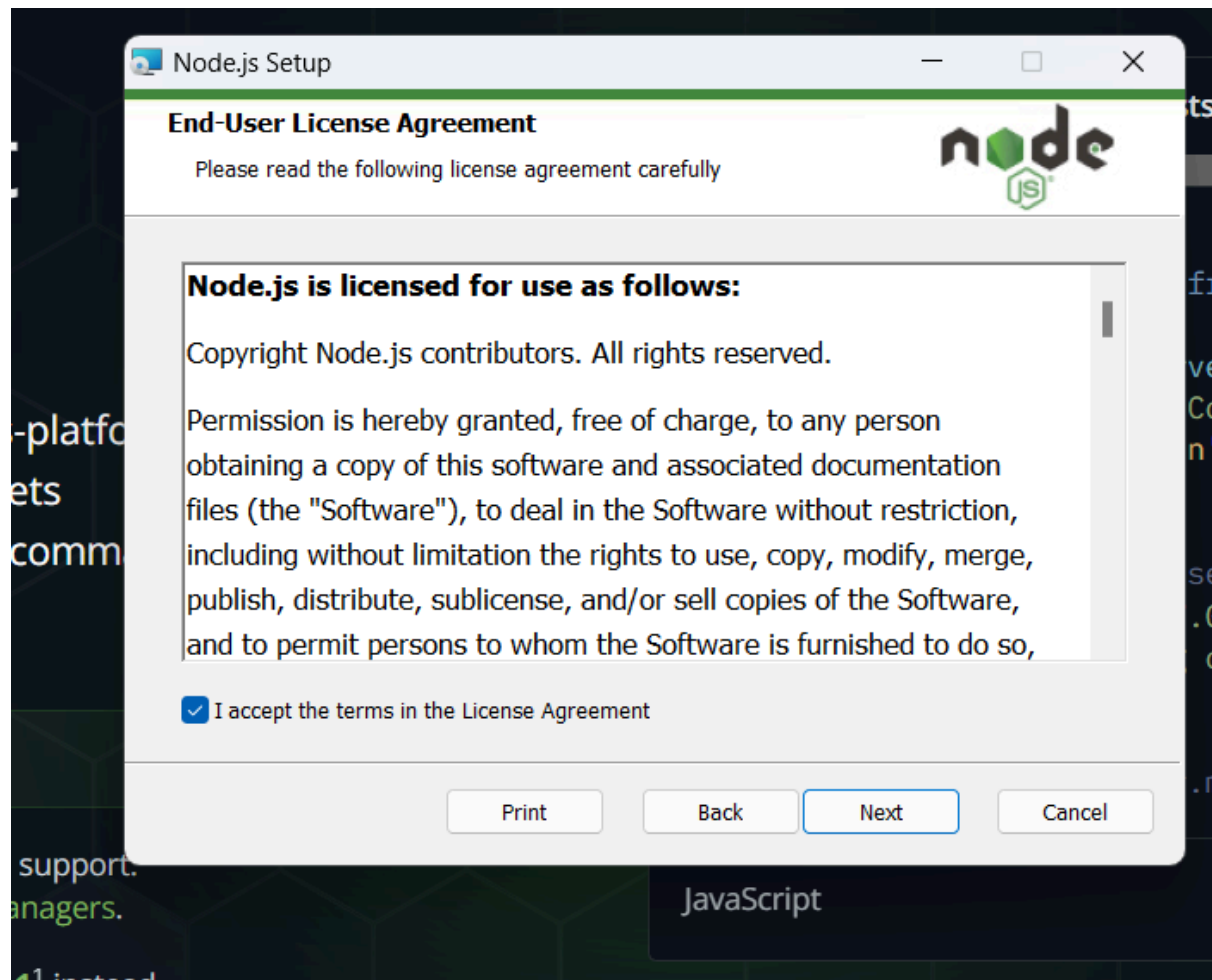
1.



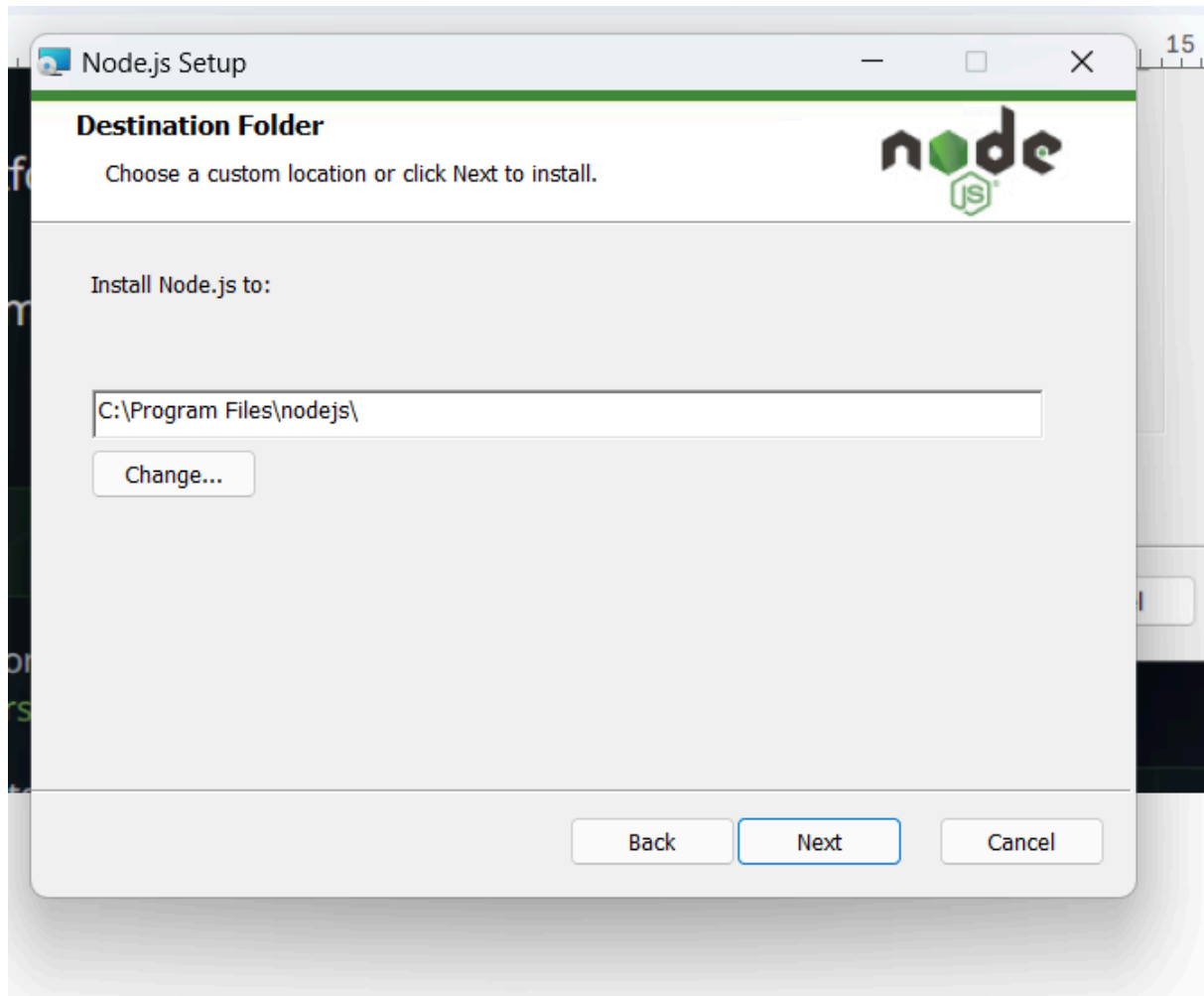
2.



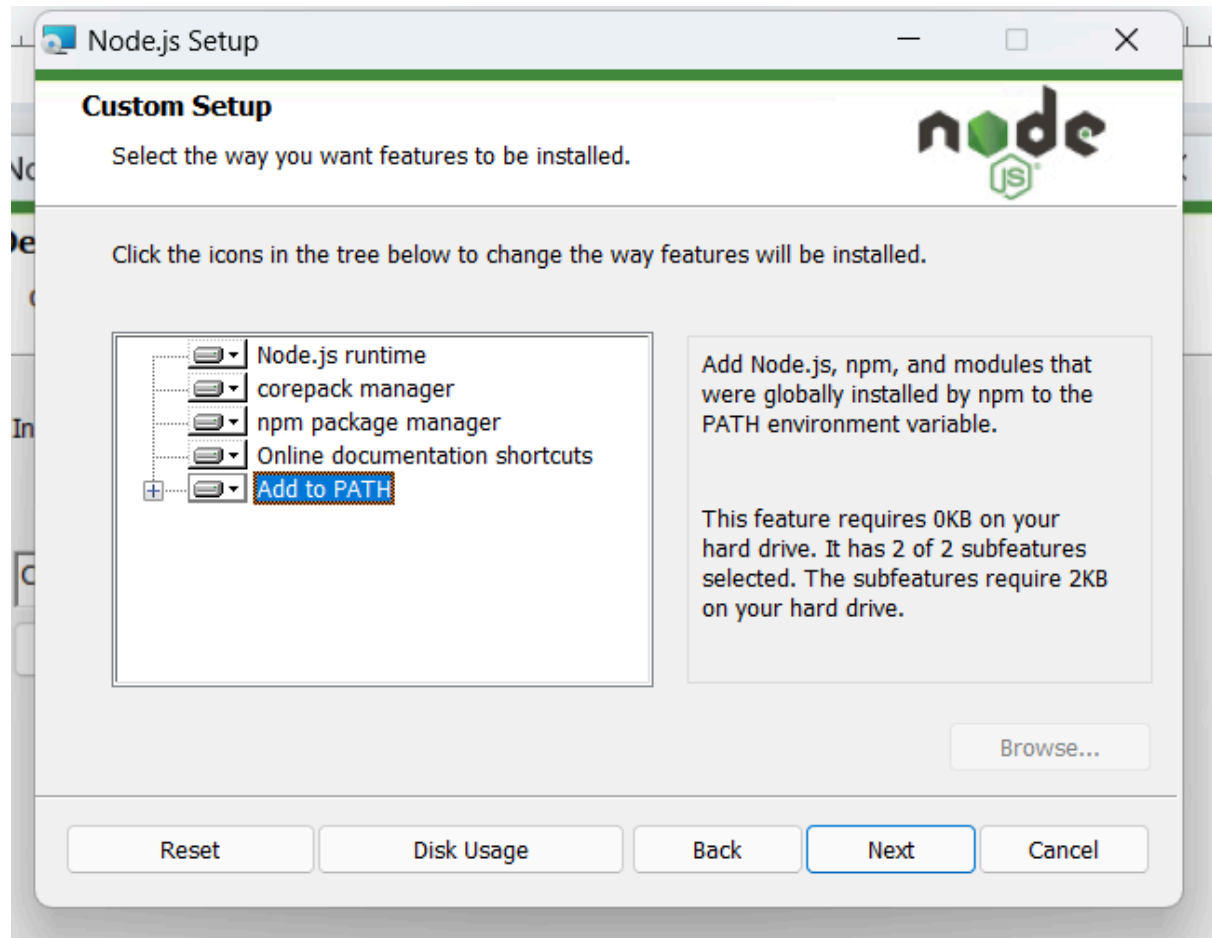
3.



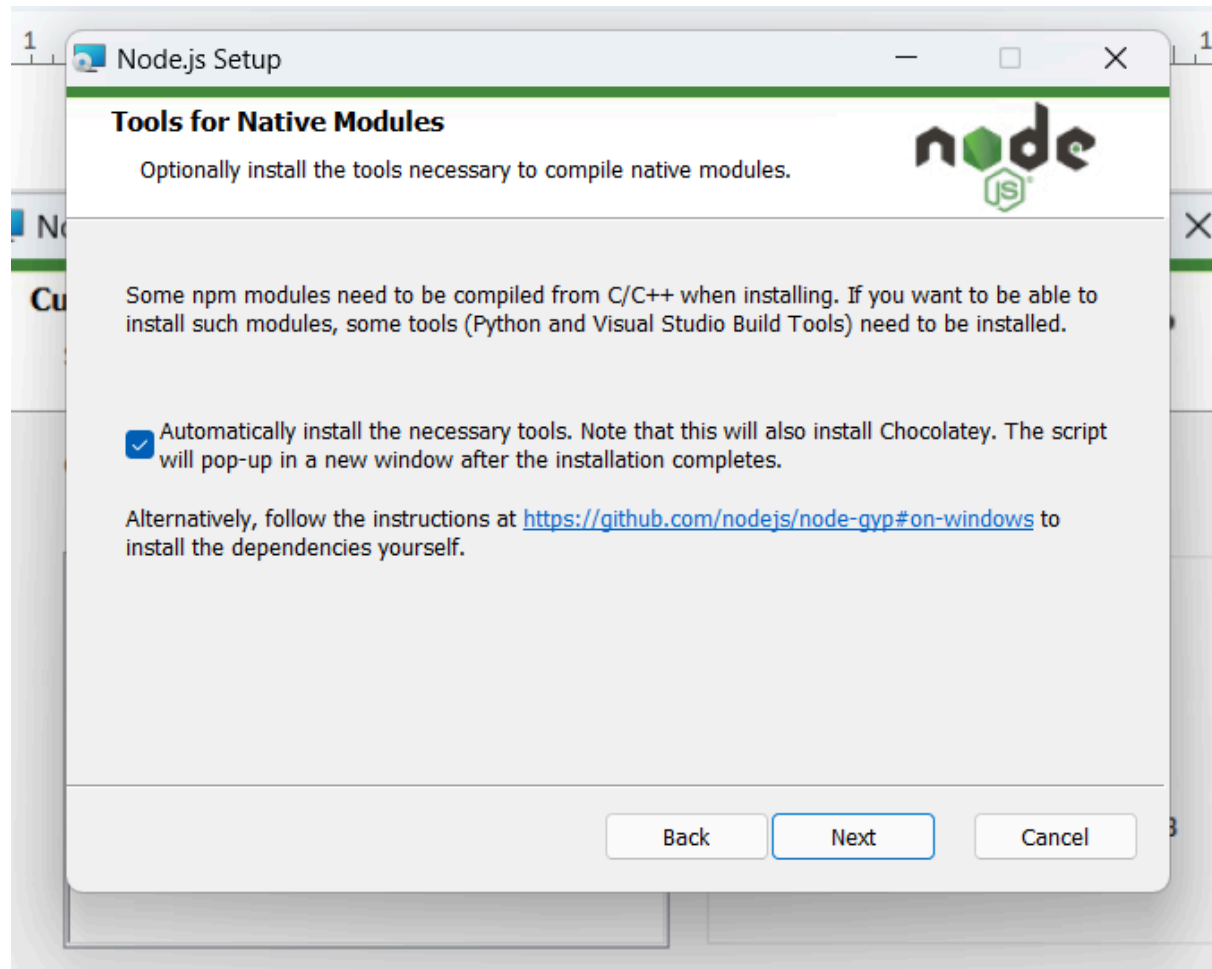
4.



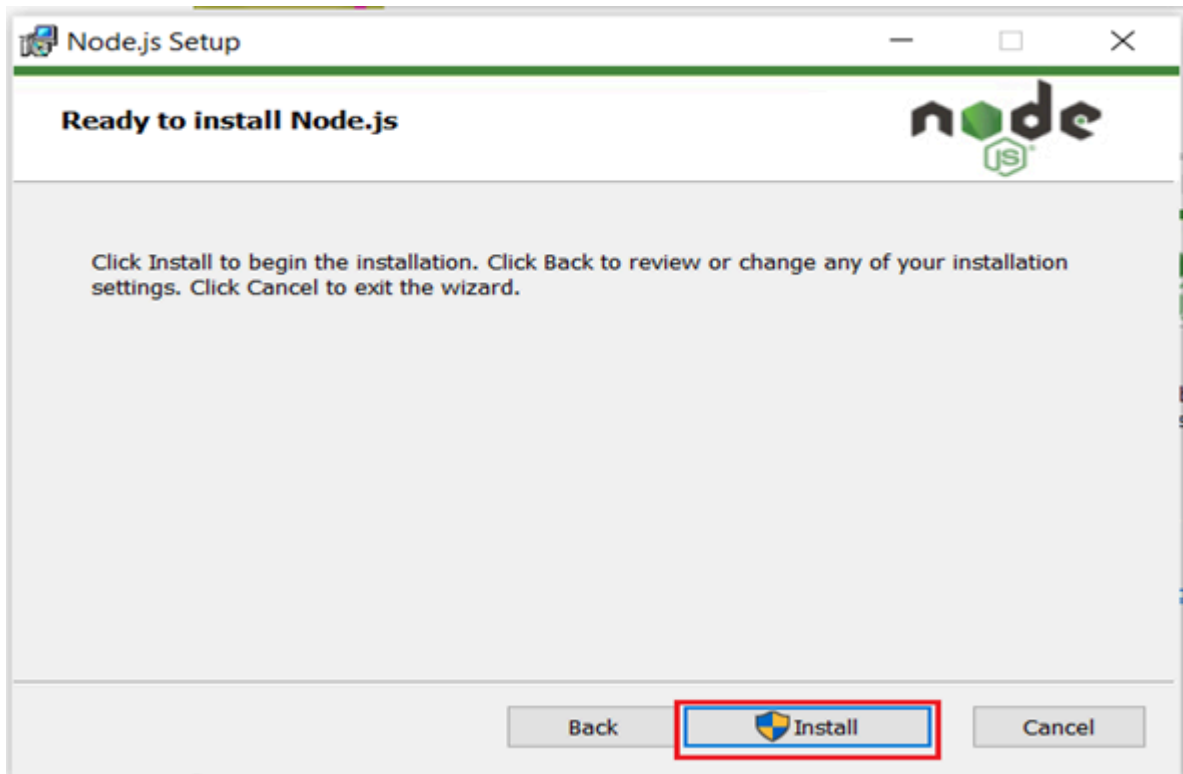
5.



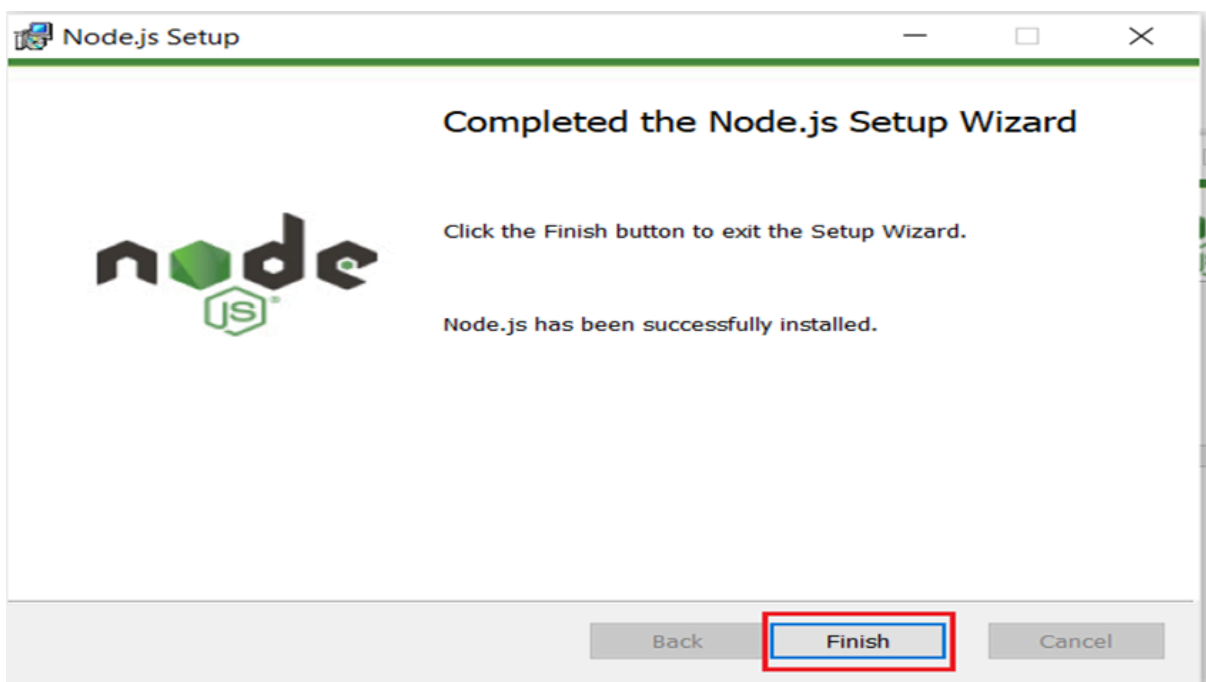
6.



7.



8.



9. Once you print finish , terminal would pop up

```
Install Additional Tools for Node.js
Tools for Node.js Native Modules Installation Script

This script will install Python and the Visual Studio Build Tools, necessary
to compile Node.js native modules. Note that Chocolatey and required Windows
updates will also be installed.

This will require about 3 GiB of free disk space, plus any space necessary to
install Windows updates. This will take a while to run.

Please close all open programs for the duration of the installation. If the
installation fails, please ensure Windows is fully updated, reboot your
computer and try to run this again. This script can be found in the
Start menu under Node.js.

You can close this window to stop now. Detailed instructions to install these
tools manually are available at https://github.com/nodejs/node-gyp#on-windows

Press any key to continue . . . |
```

Create a folder in and call it node then run the Command Prompt, then go to the folder node, then after you are inside the folder node, open terminal in that file

40. Run the following statements on the google CLI:

npm install dotenv

npm install @google/generative-ai

```
C:\Users\masaa\AppData\Local\Google\Cloud SDK>npm install
l dotenv

added 1 package in 3s

1 package is looking for funding
  run 'npm fund' for details

C:\Users\masaa\AppData\Local\Google\Cloud SDK>|
```



```
C:\Users\masaa\AppData\Local\Google\Cloud SDK>npm install
@google/generative-ai

added 1 package, and audited 3 packages in 4s

1 package is looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

41. Now install the following libraries:

```
npm install iconv-lite
npm install express
npm install mysql
npm install body-parser
npm install path
npm install nodemailer
npm install fs
npm install nodemailer
npm install pako
npm install fontkit
npm install util
npm install express-session
npm install express-mysql-session
npm install @pdf-lib/core
npm install @pdf-lib/fontkit @pdf-lib/standard-fonts
npm install express-mysql-session
npm install mysql2@latest
```

After installing it all please open the mySQL file and run the tables as follows:

```
use proj_321;
create database proj_321;
```

Then run all tables.

Then run all the insert statement.

Lastly run the alter and flush statements but with your details:

```
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'ShnayZoop11!';

flush privileges;
```

Lastly Run 'node db.js' in the projects terminal:

```
PS C:\Users\masaa\AppData\Local\Google\Cloud SDK\Combined Code - Create and Login with server (26)\Combined Code - Creat
e and Login with server (18)\Combined Code - Create and Login with server> node db.js
Server listening at http://localhost:8080
Connected to the database
|
```