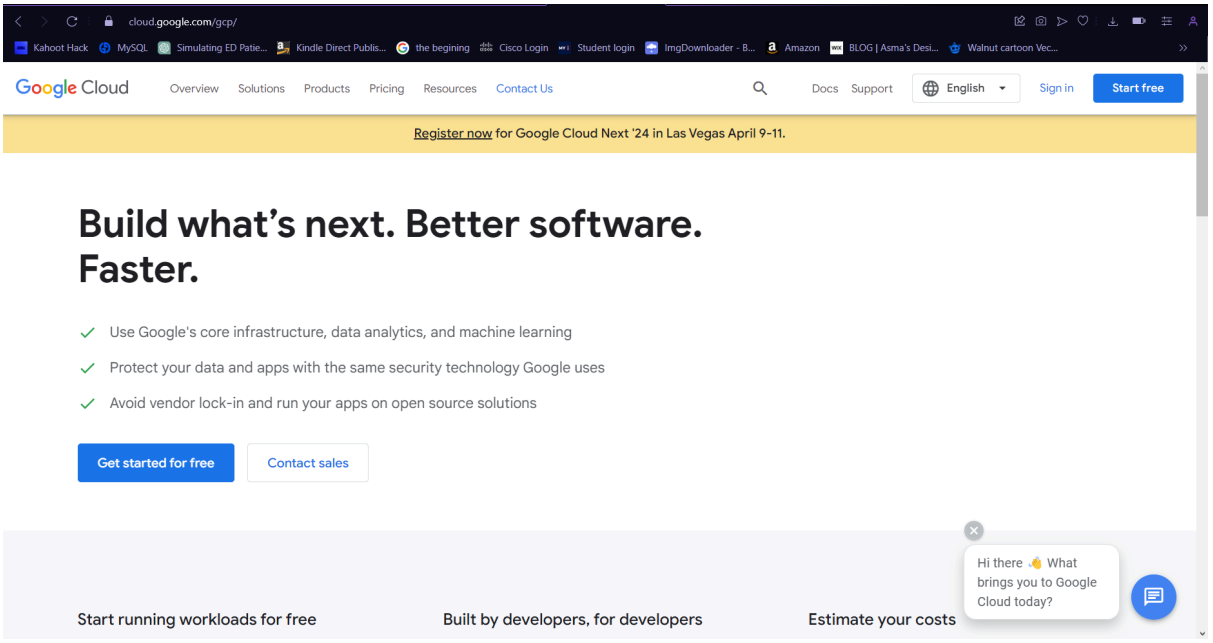
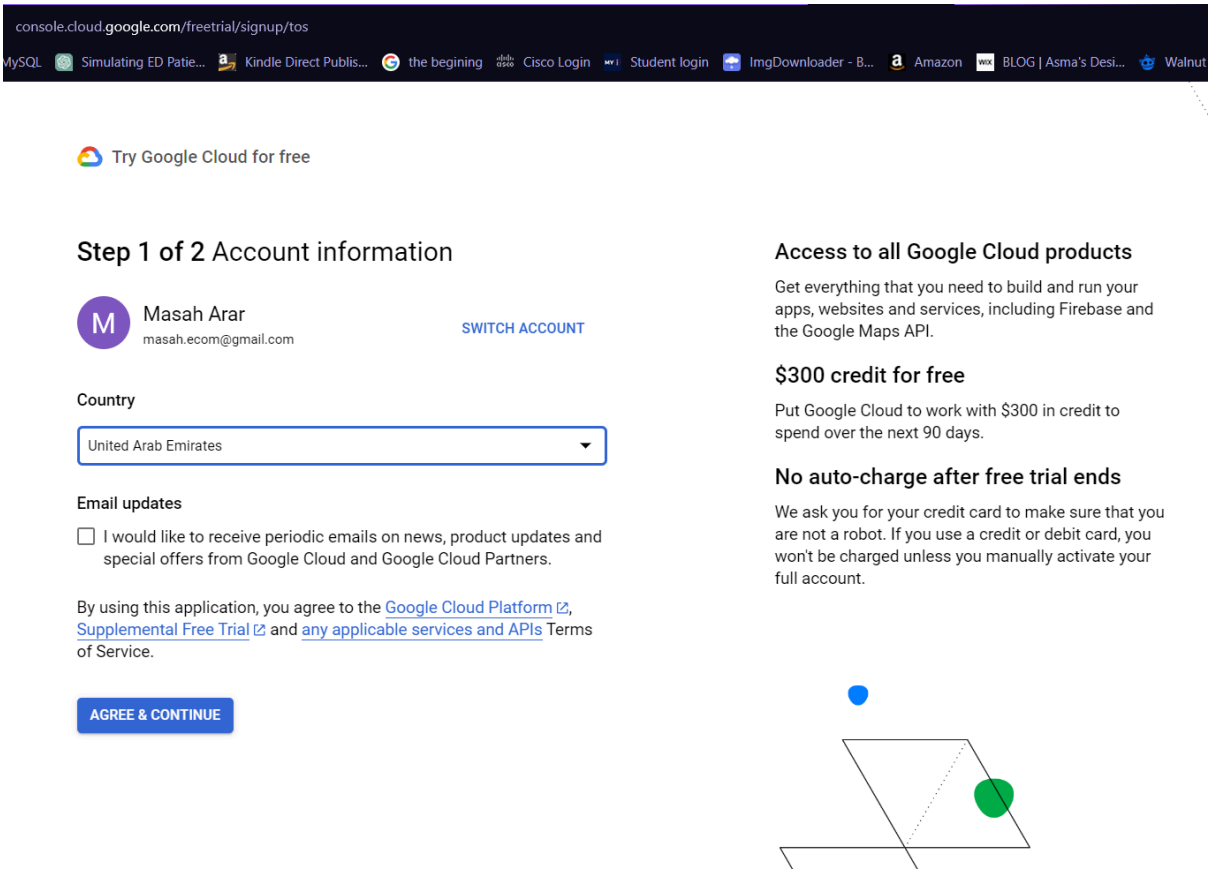
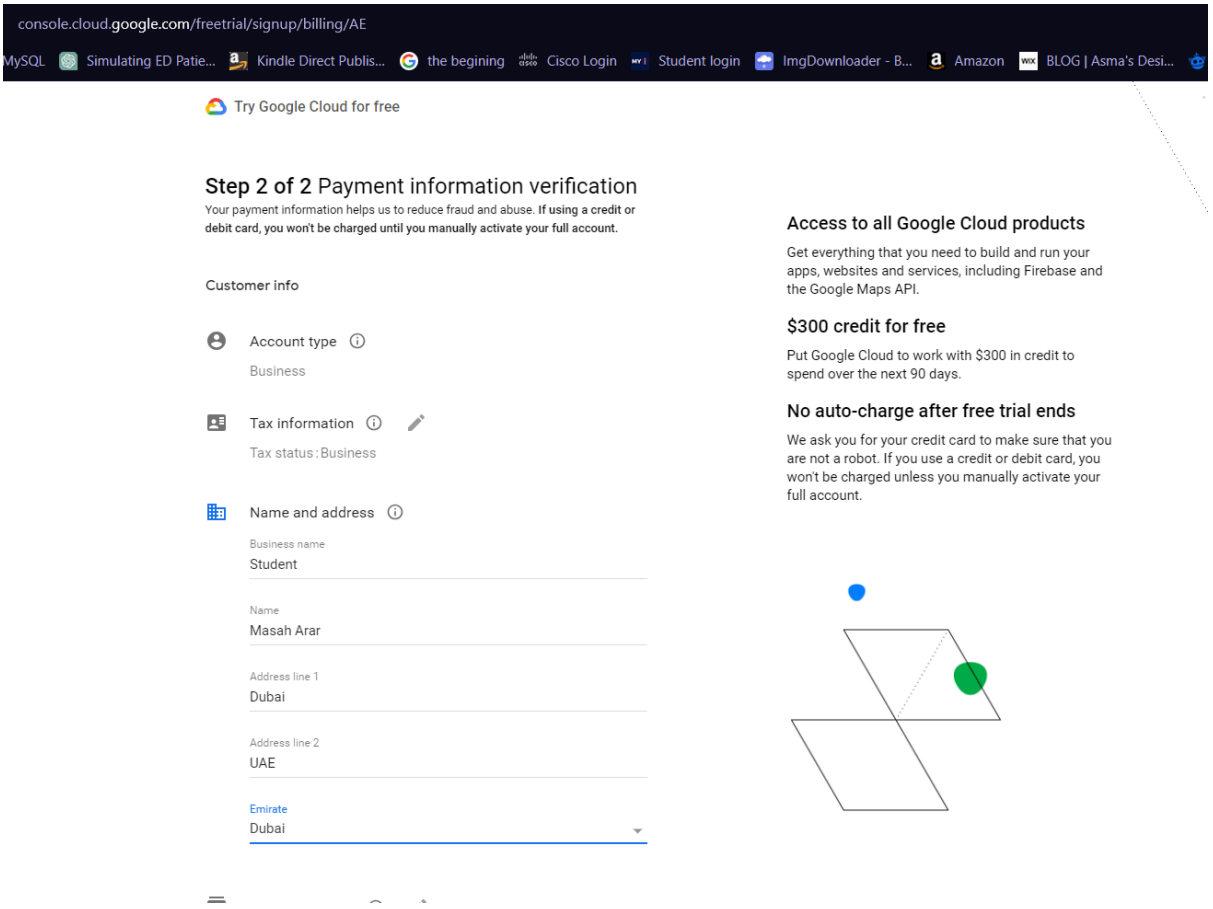
1. Please go to the google cloud website: https://cloud.google.com/gcp/ or search google cloud console.



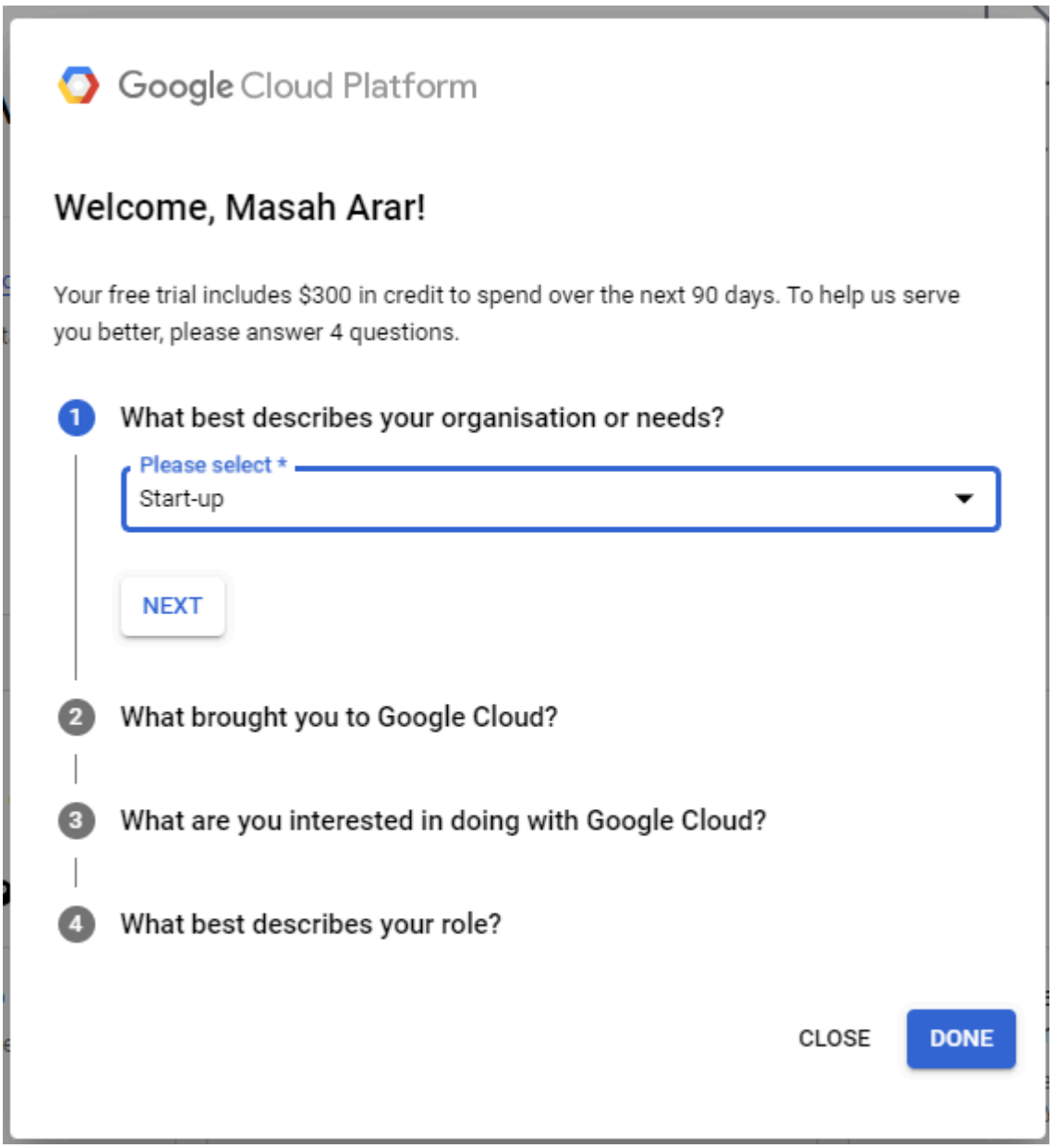
2. Press on "Get started for free"

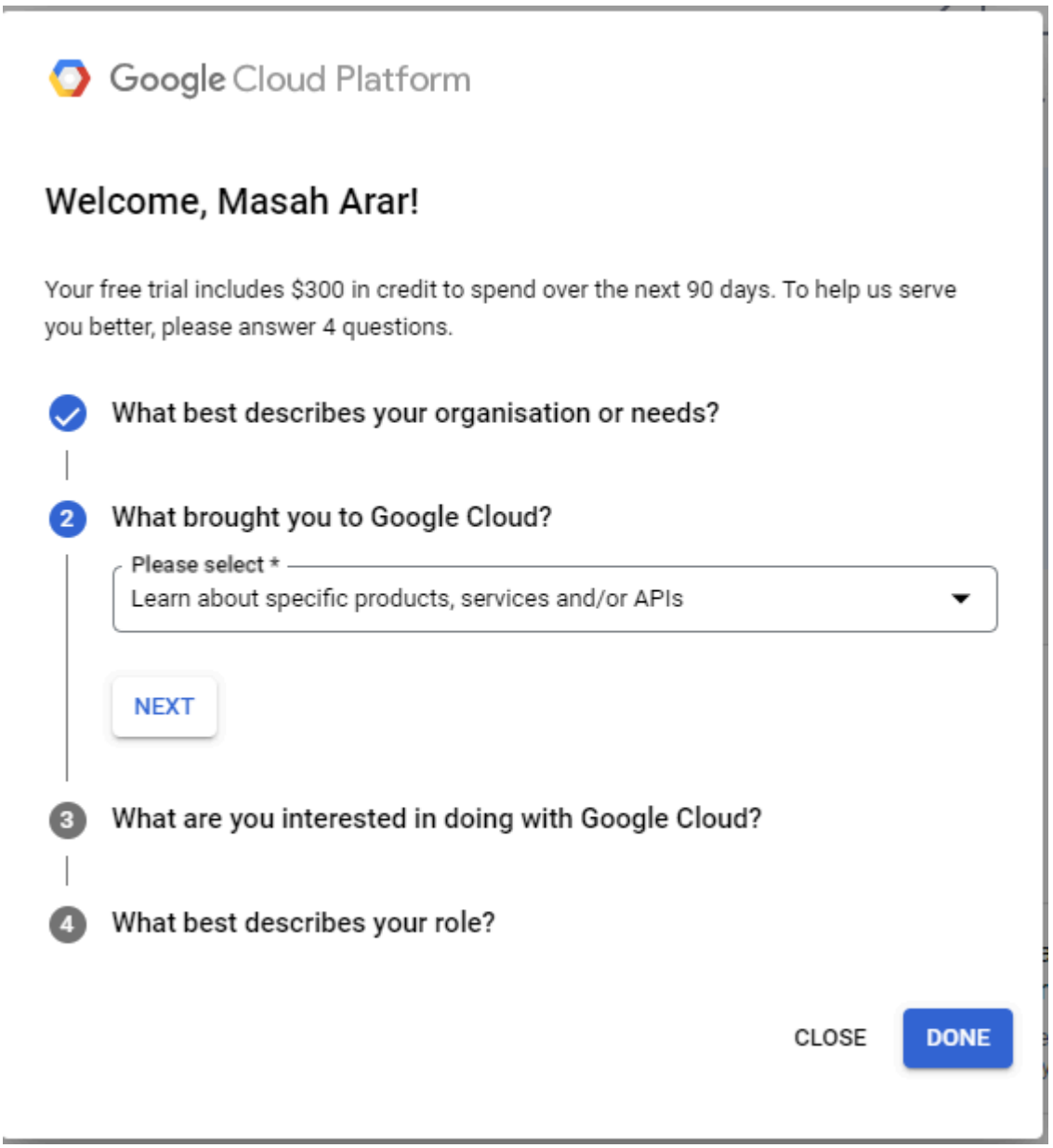


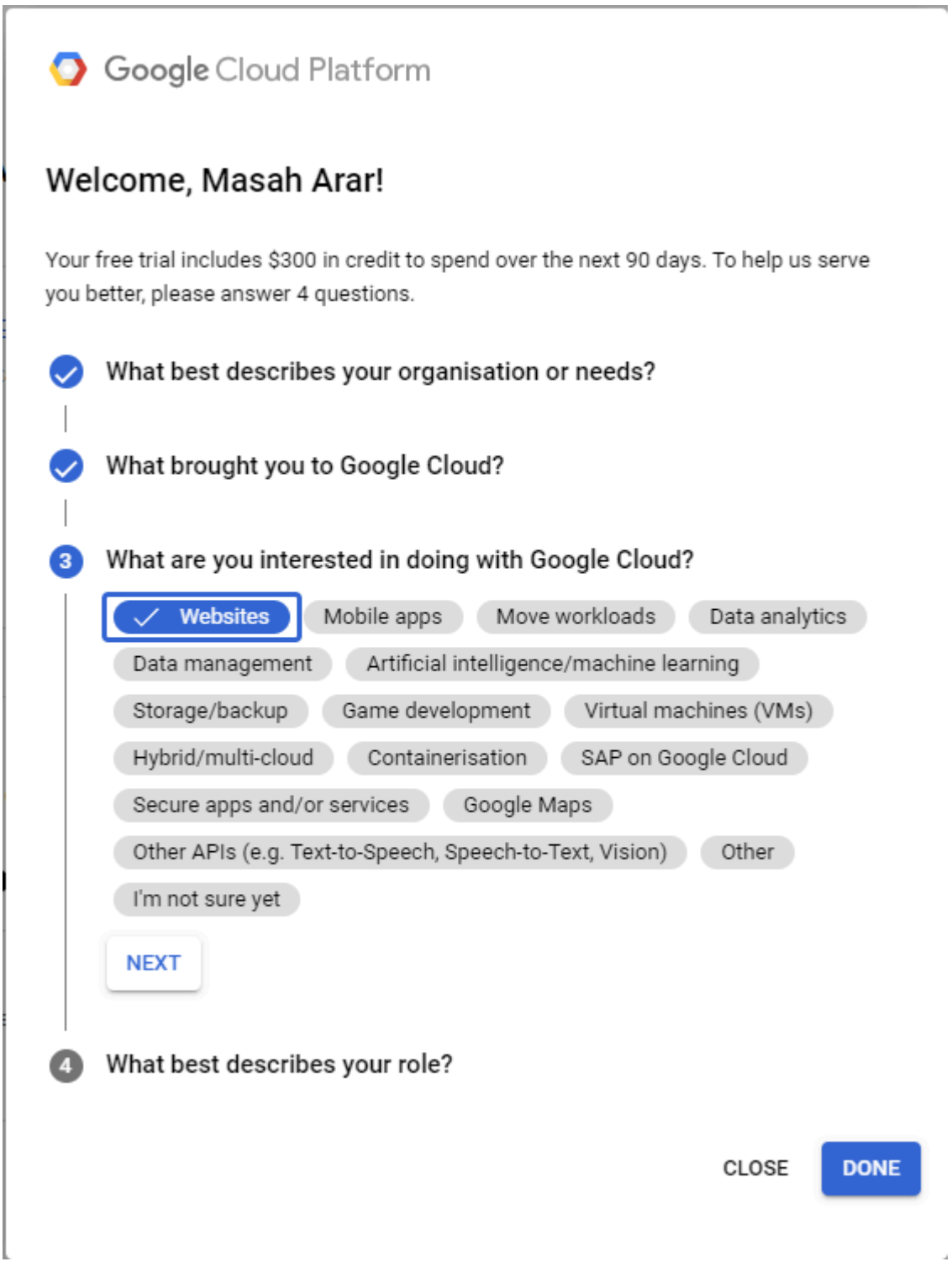
3. Please continue with filling out your details, it will ask you for billing information. It will NOT charge you for anything using this project so please follow the instructions carefully.

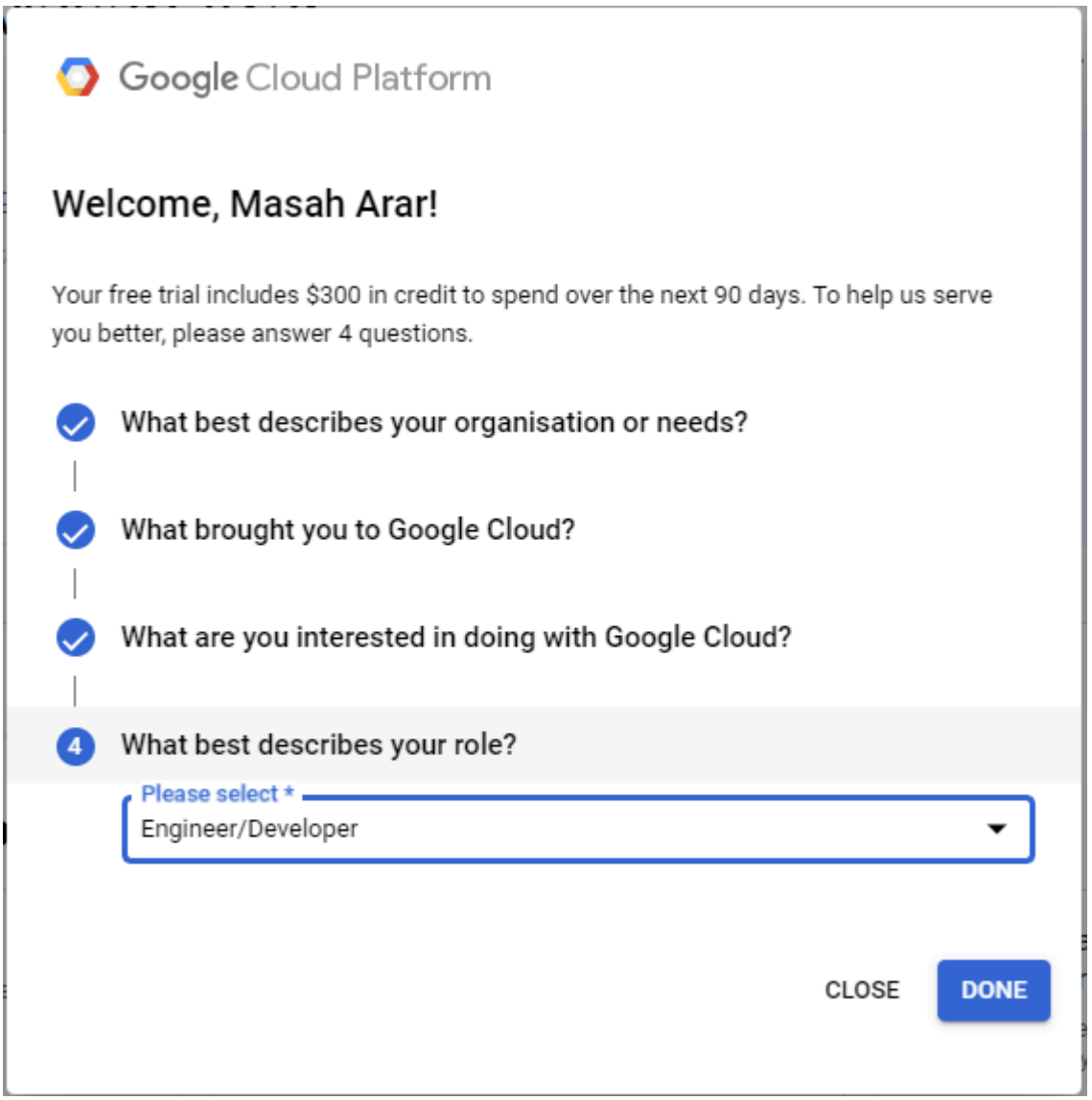


4. You can copy what I wrote EXCEPT my name.
5. Fill out the payment information. It says that no automatic payments will be made.
6. Press on “Start Free”.
7. You will then be given a pop up, feel free to fill it up the same way that is provided in the images:

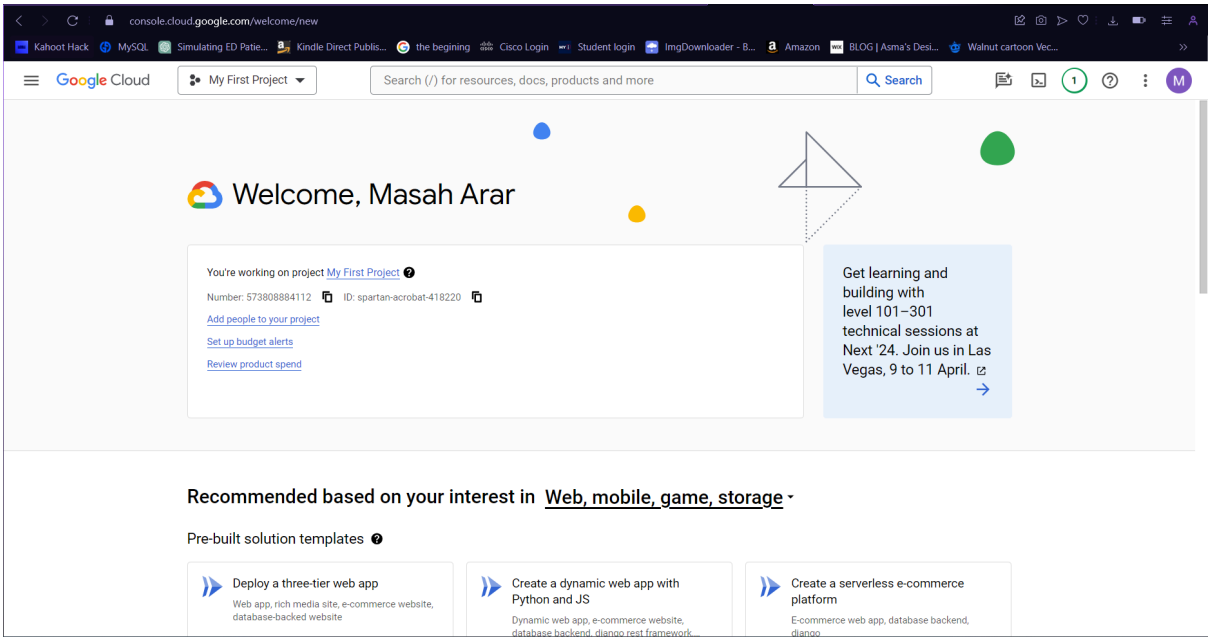

Google Cloud Platform
Welcome, Masah Arar!
Your free trial includes $300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.
1
What best describes your organisation or needs?
Please select *
Start-up
NEXT
2
What brought you to Google Cloud?
3
What are you interested in doing with Google Cloud?
4
What best describes your role?
CLOSE
DONE


Google Cloud Platform
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

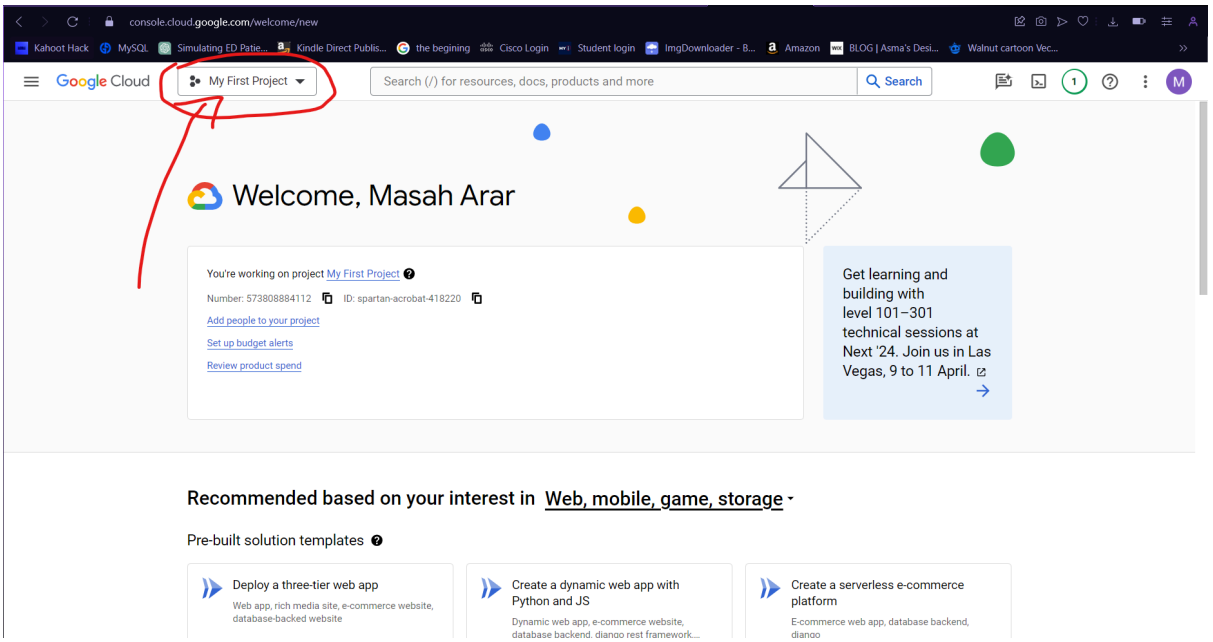

Google Cloud Platform
Welcome, Masah Arar!
Your free trial includes $300 in credit to spend over the next 90 days. To help us serve you better, please answer 4 questions.
What best describes your organisation or needs?
What brought you to Google Cloud?
3
What are you interested in doing with Google Cloud?
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



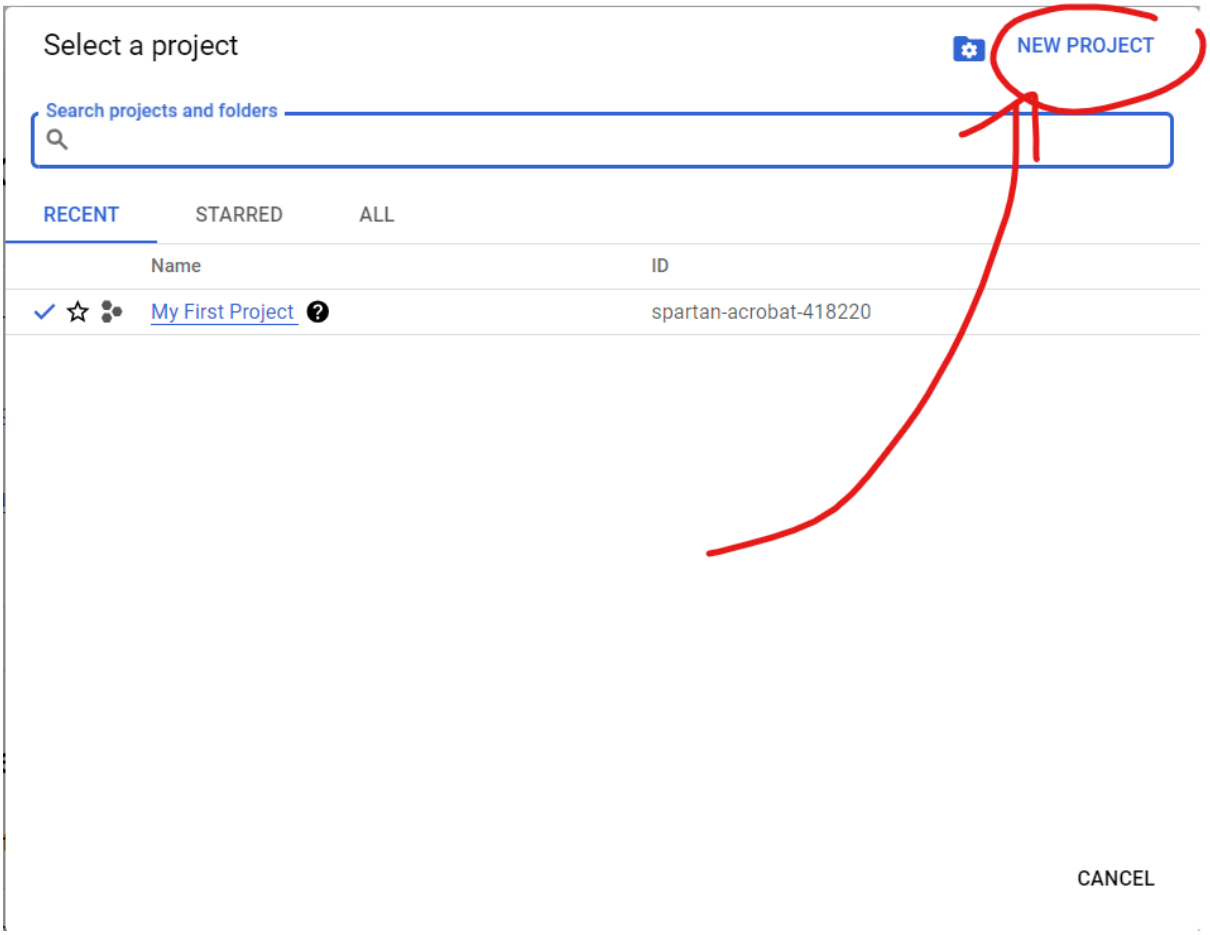
8. After completing it you will be redirected to this page:



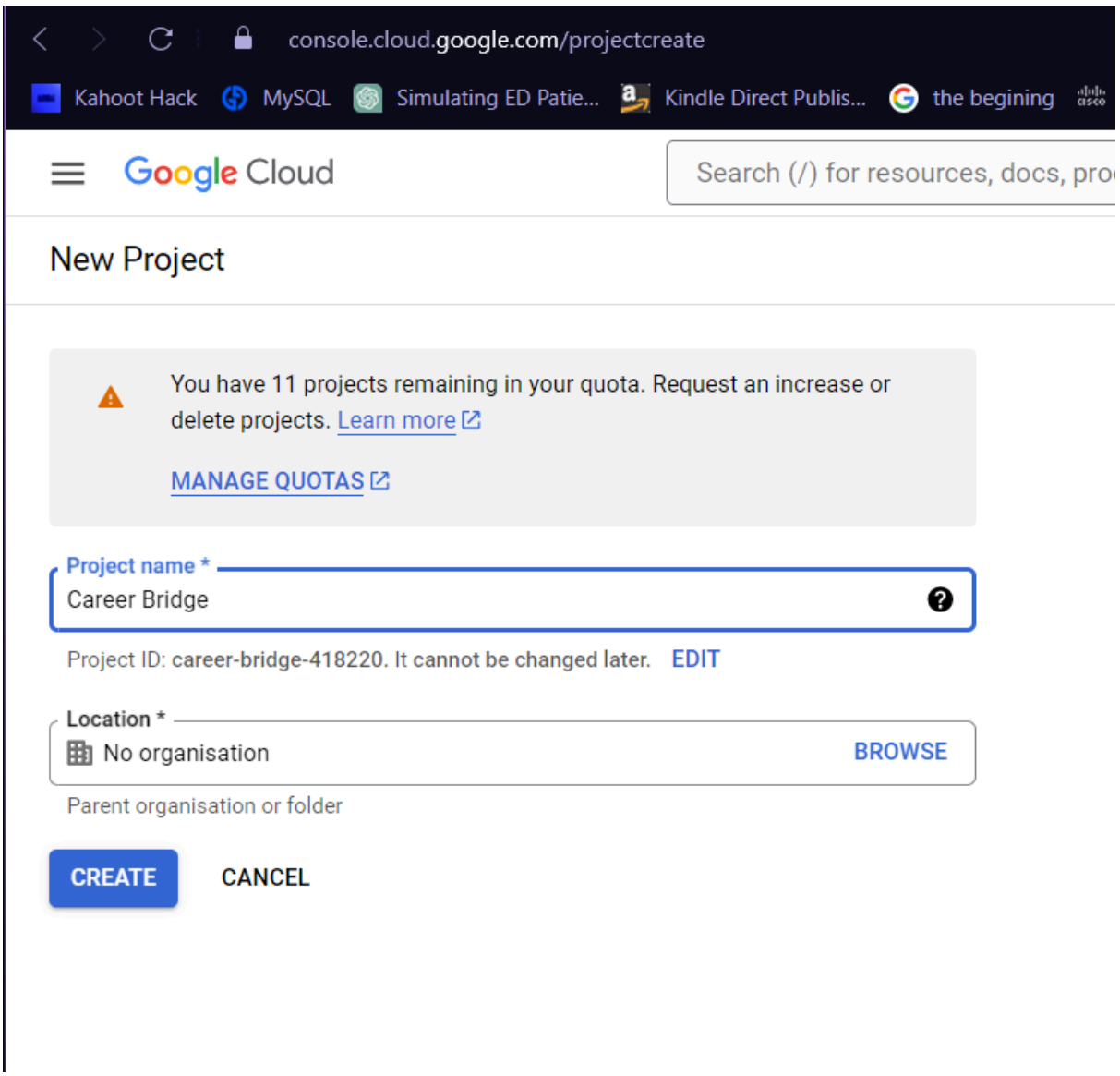
9. Click on “My First Project” as shown:



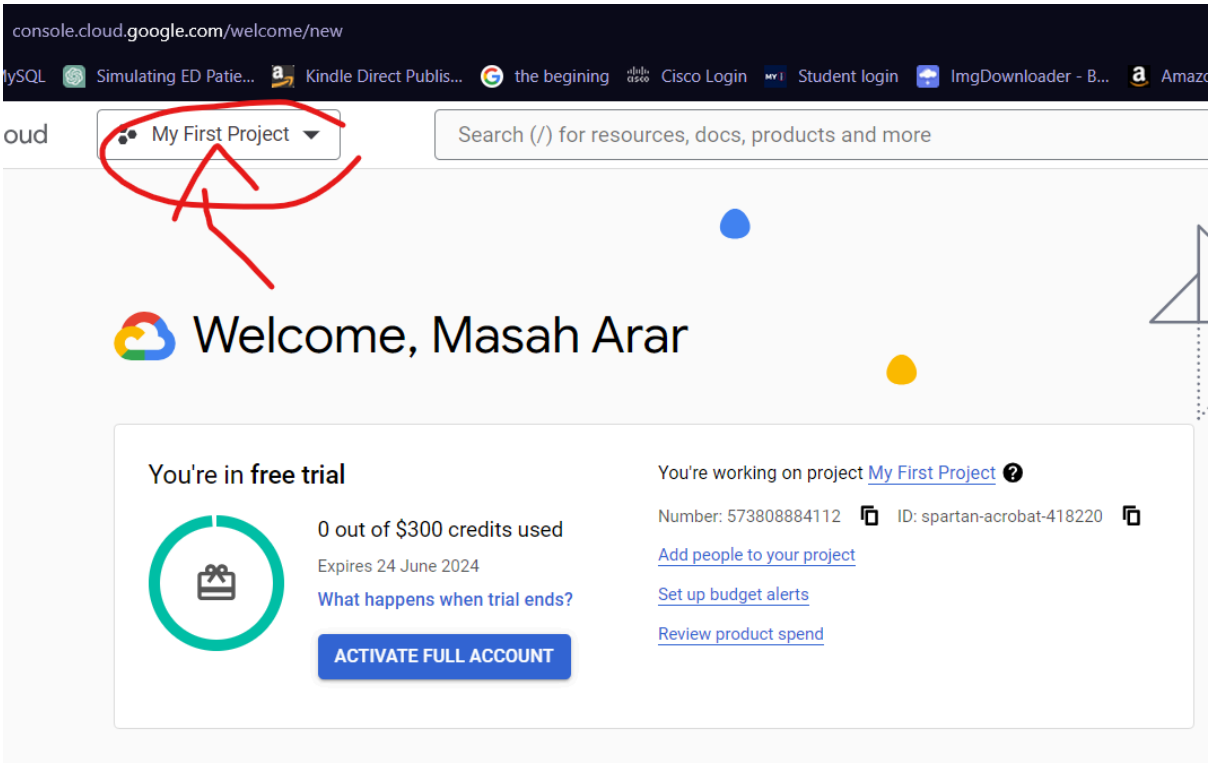
10. Click on new project:



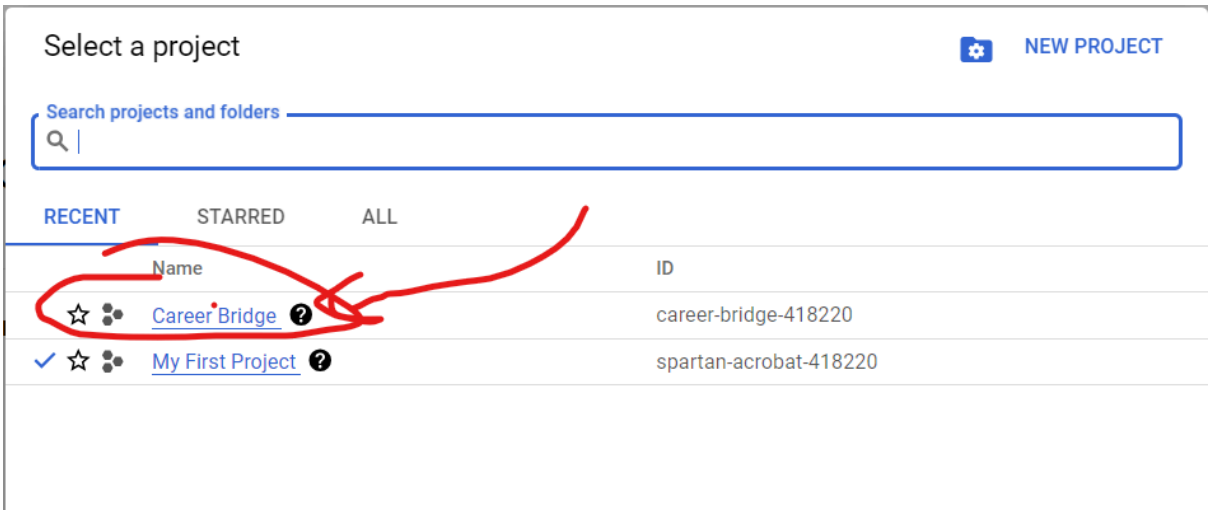
11. Input the same information as in the image and click “CREATE”:

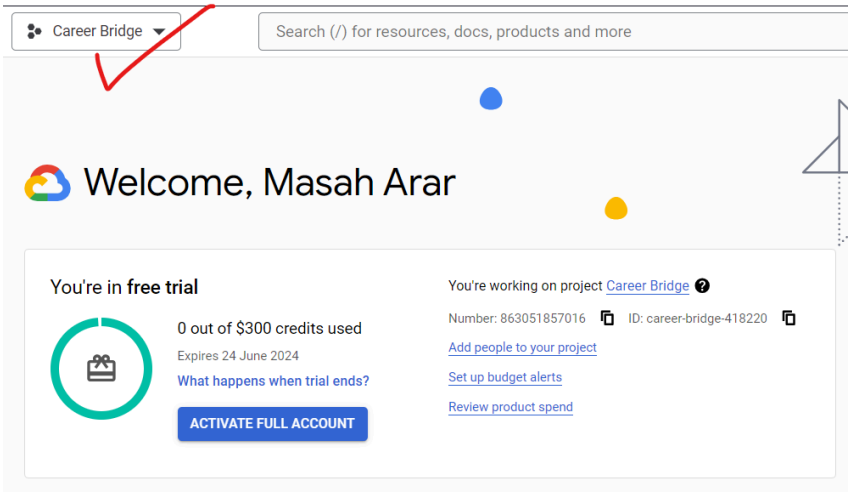


12. Click on “My First Project” again:



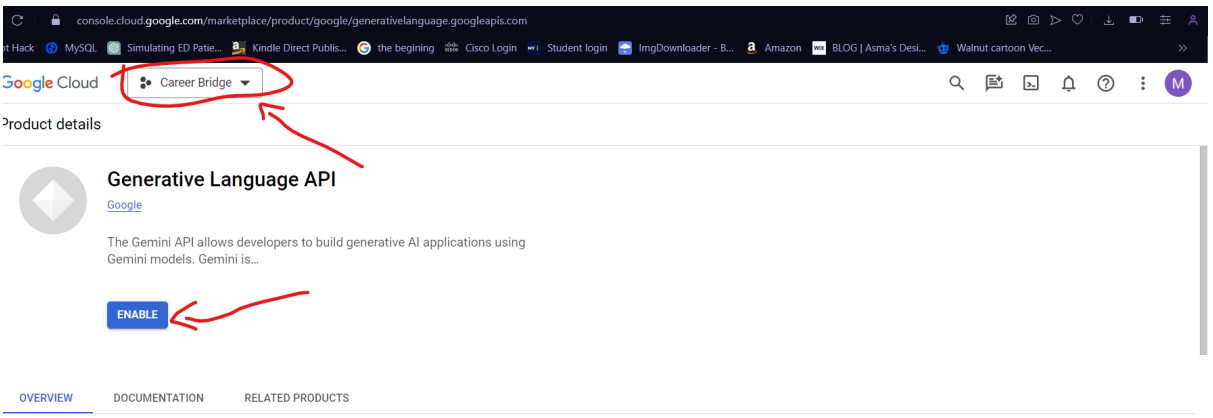
13. Click on “Career Bridge”

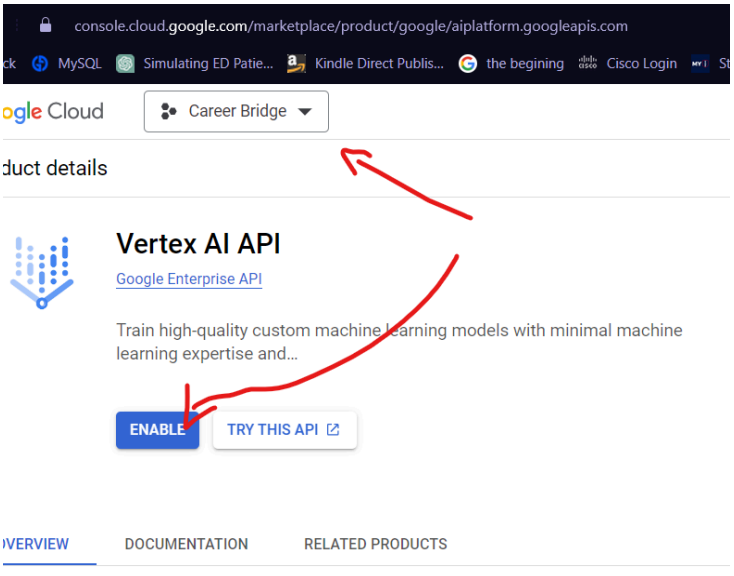




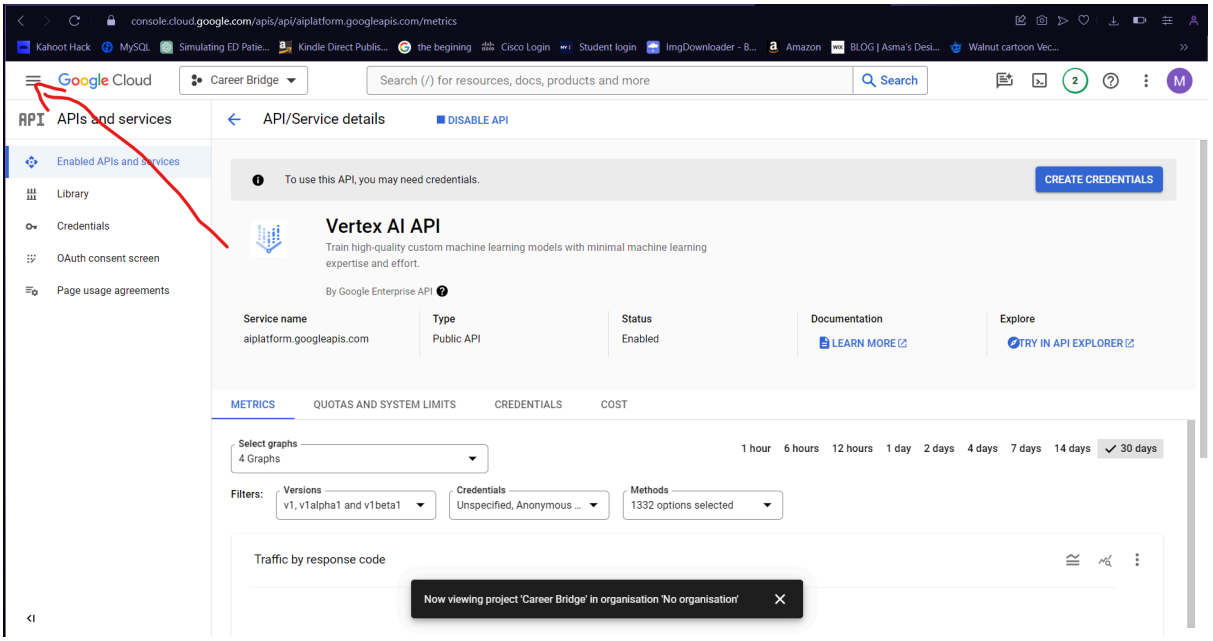
14. Now go to these 2 links and enable “Generative Language API” and “Vertex AI API”:
    https://console.cloud.google.com/marketplace/product/google/generativelanguage.googleapis.com?q=search&referrer=search&project=career-bridge-418220

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

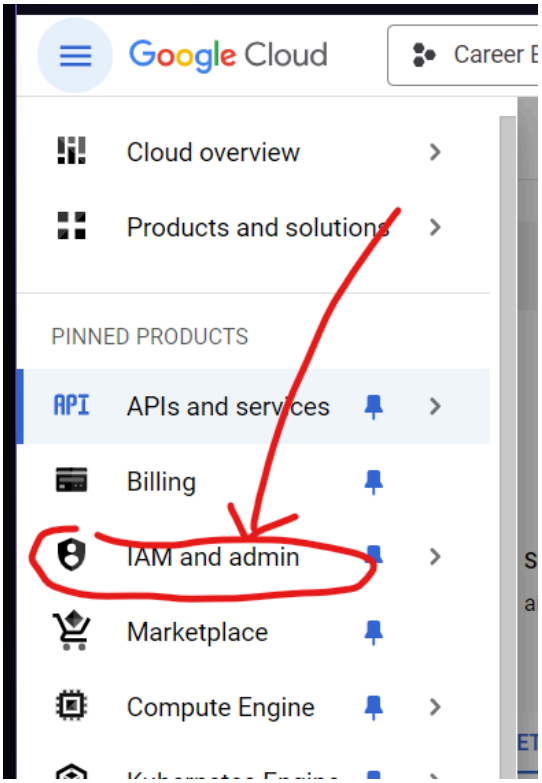




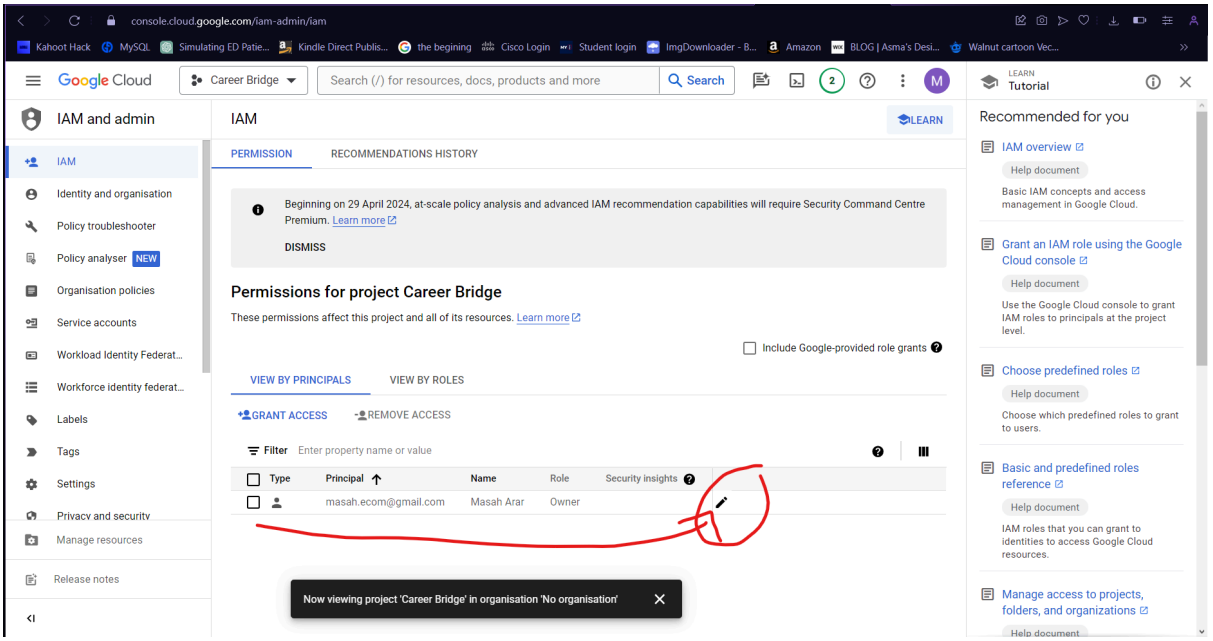
15. After enabling them you will be redirected to this page, press on the hamburger menu located on the top left:



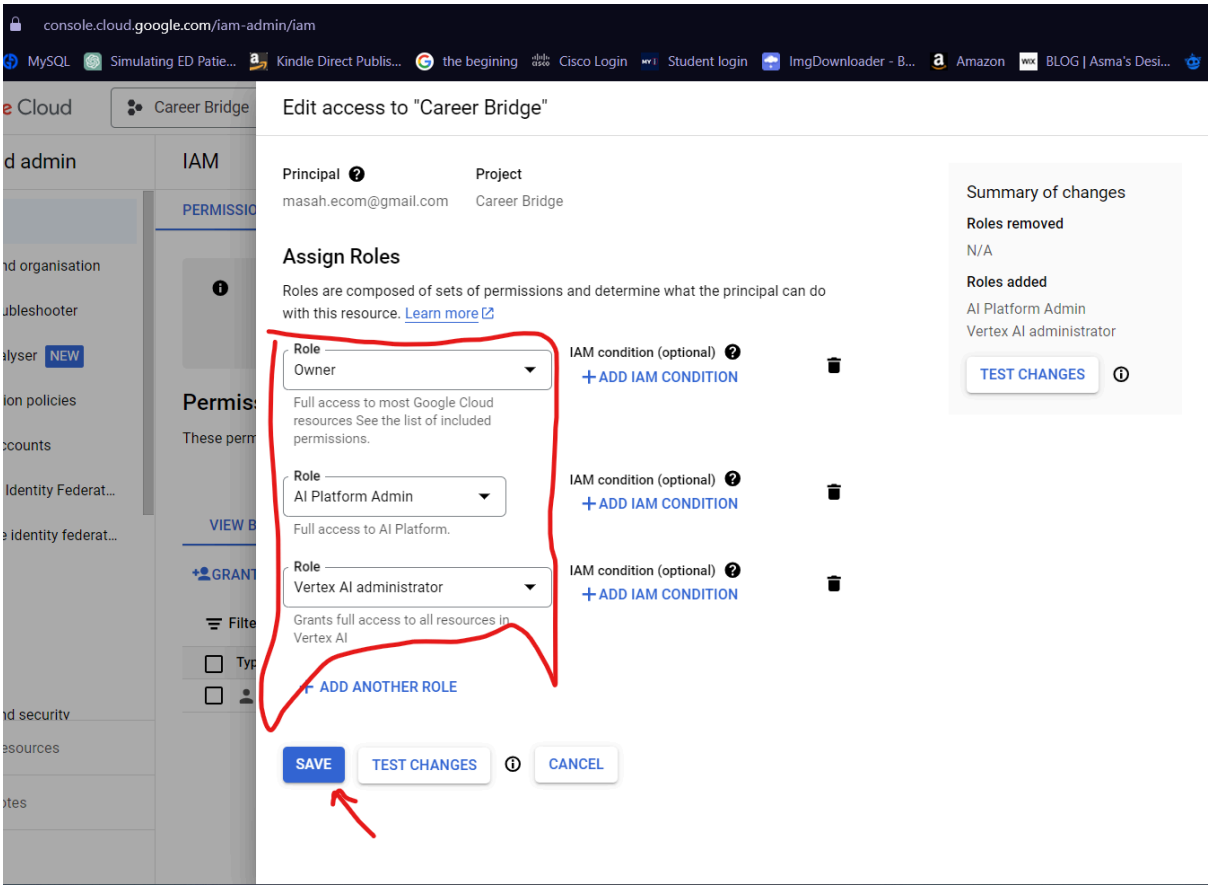
16. Click on “IAM and Admin”:



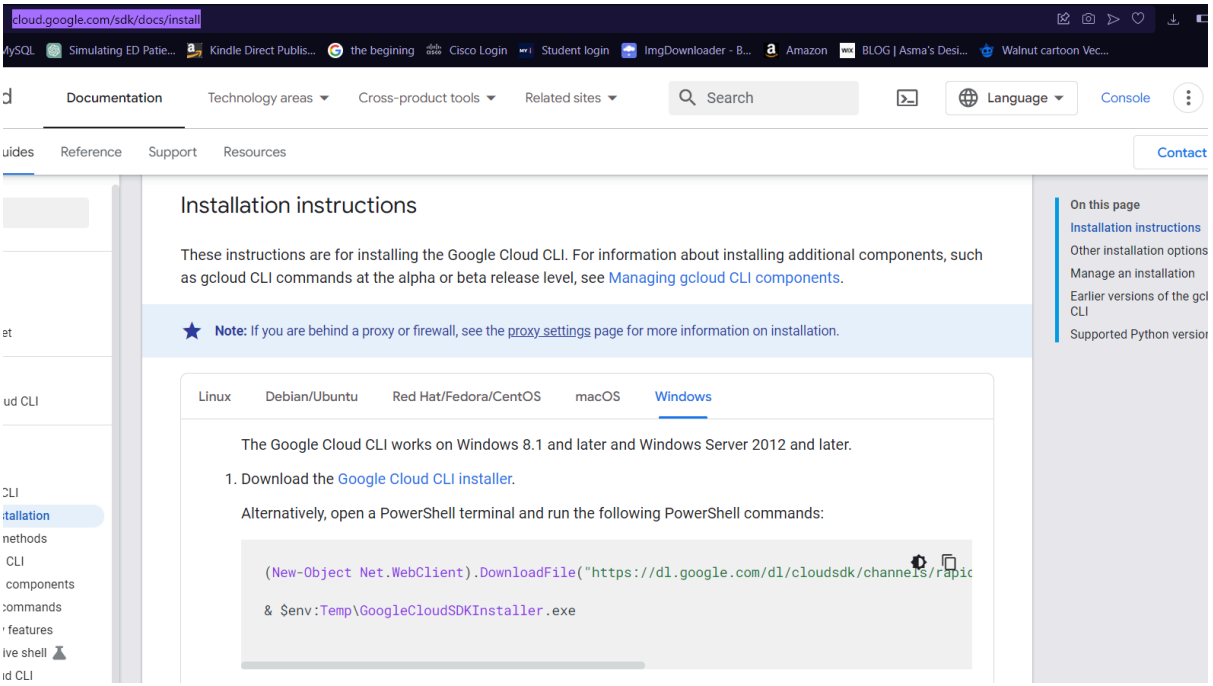
17. Then start editing:



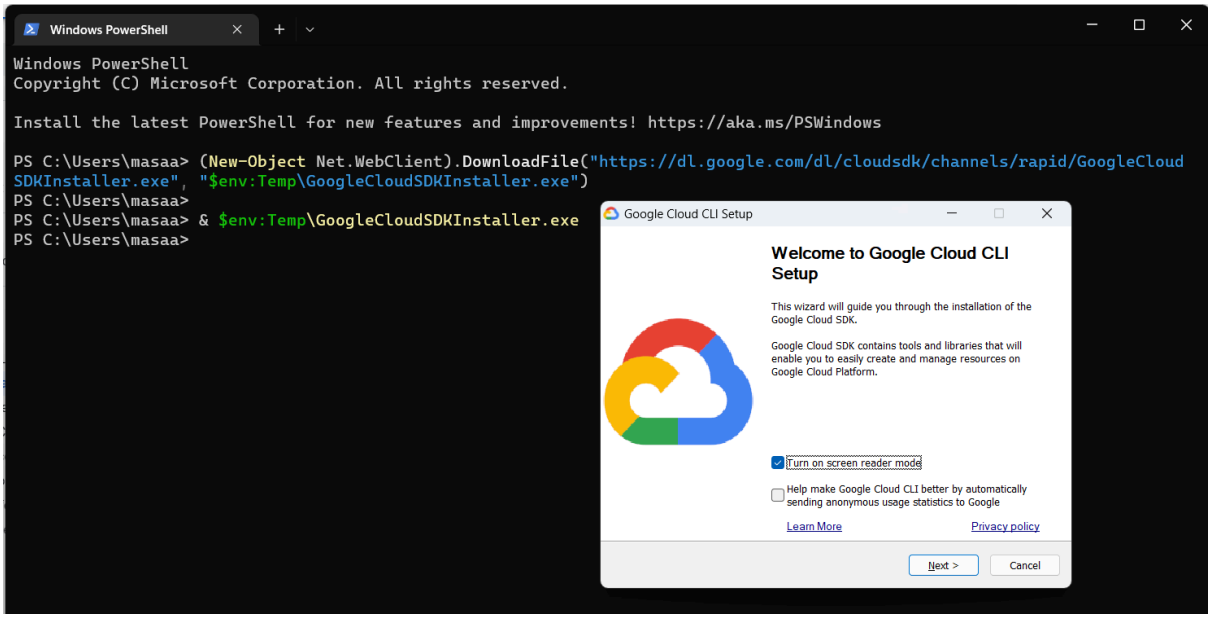
18. Add the following roles and save the changes:



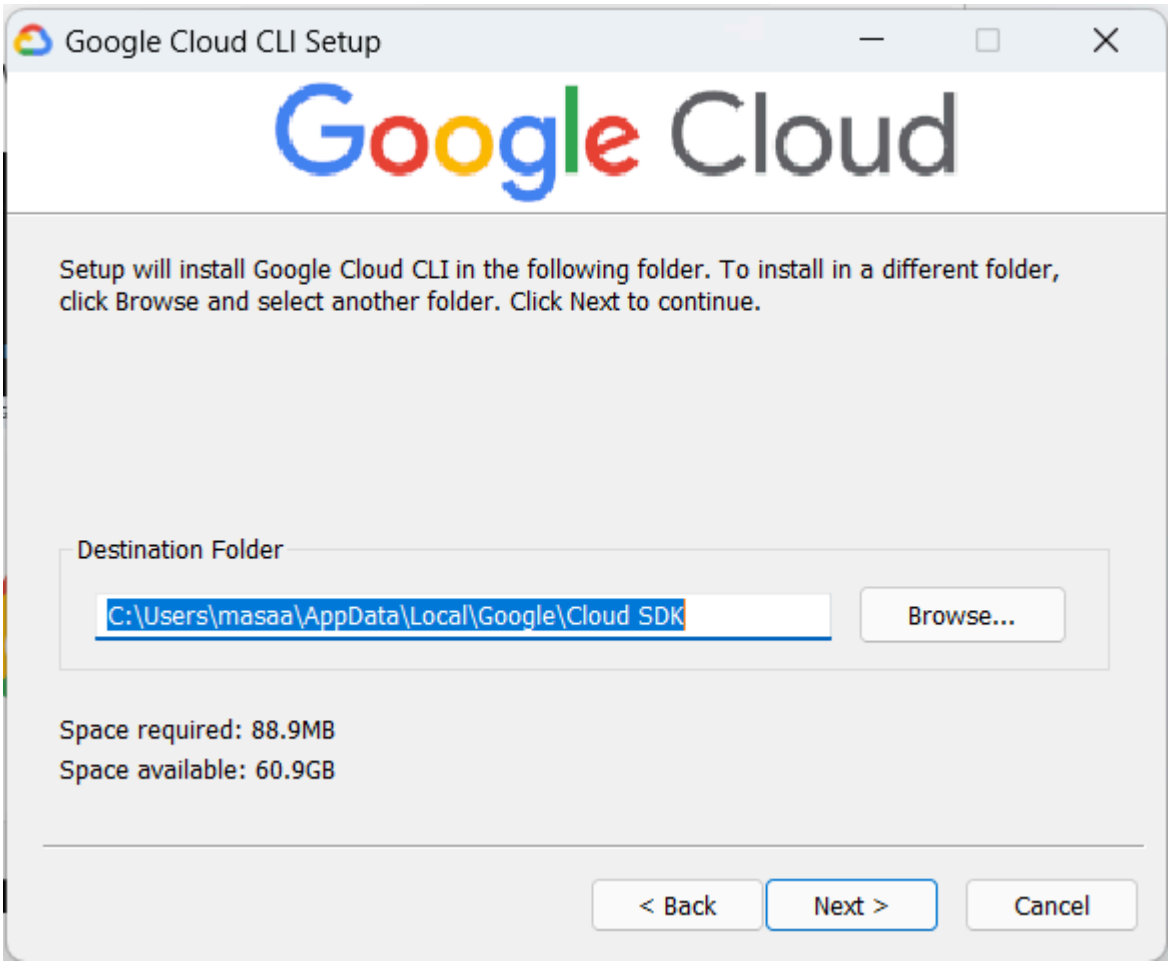
19. Now we are done with google cloud configuration. We can now install the cloud CLI.
20. Open this link to follow your systems OS, I am using windows so will show the steps for windows: https://cloud.google.com/sdk/docs/install



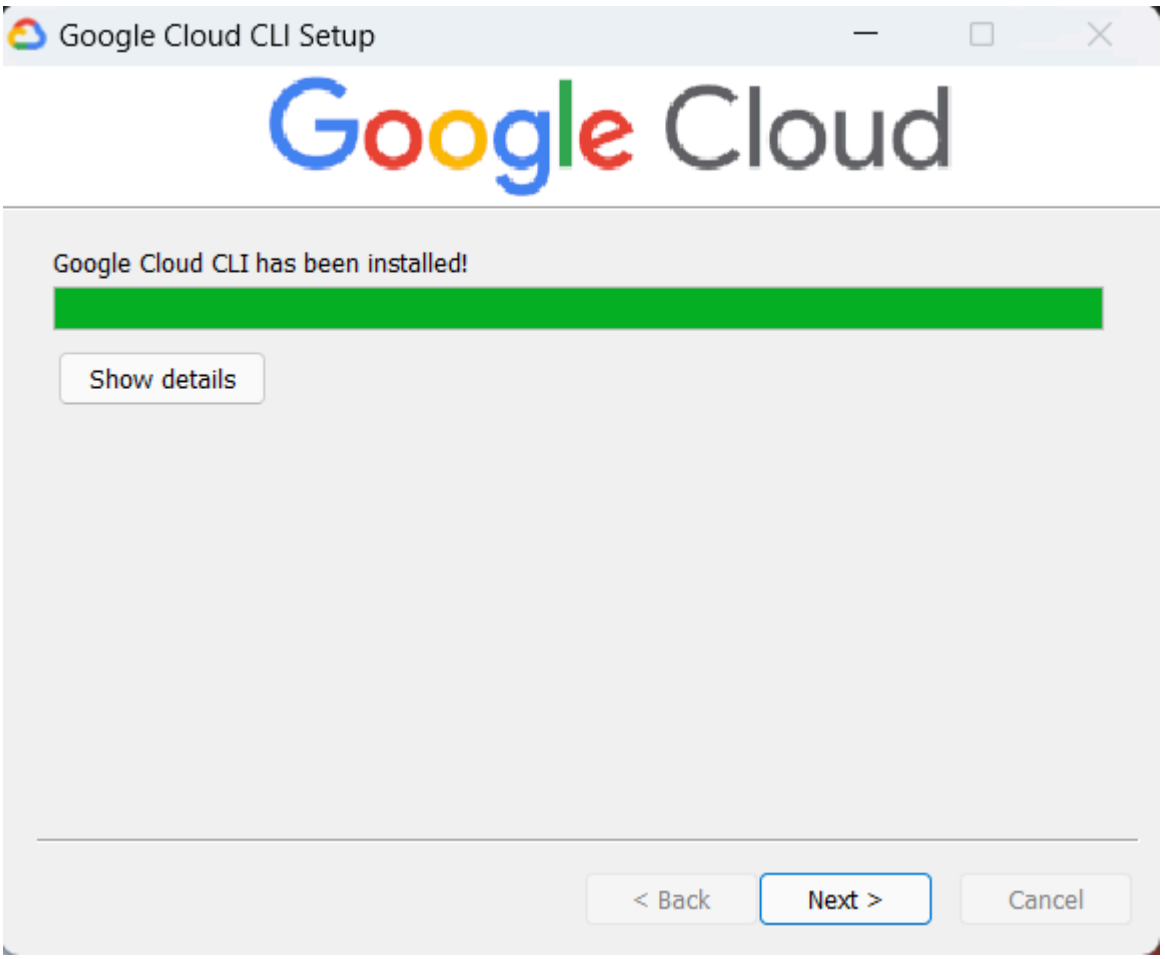
21. Copy the command and run it on your powershell:



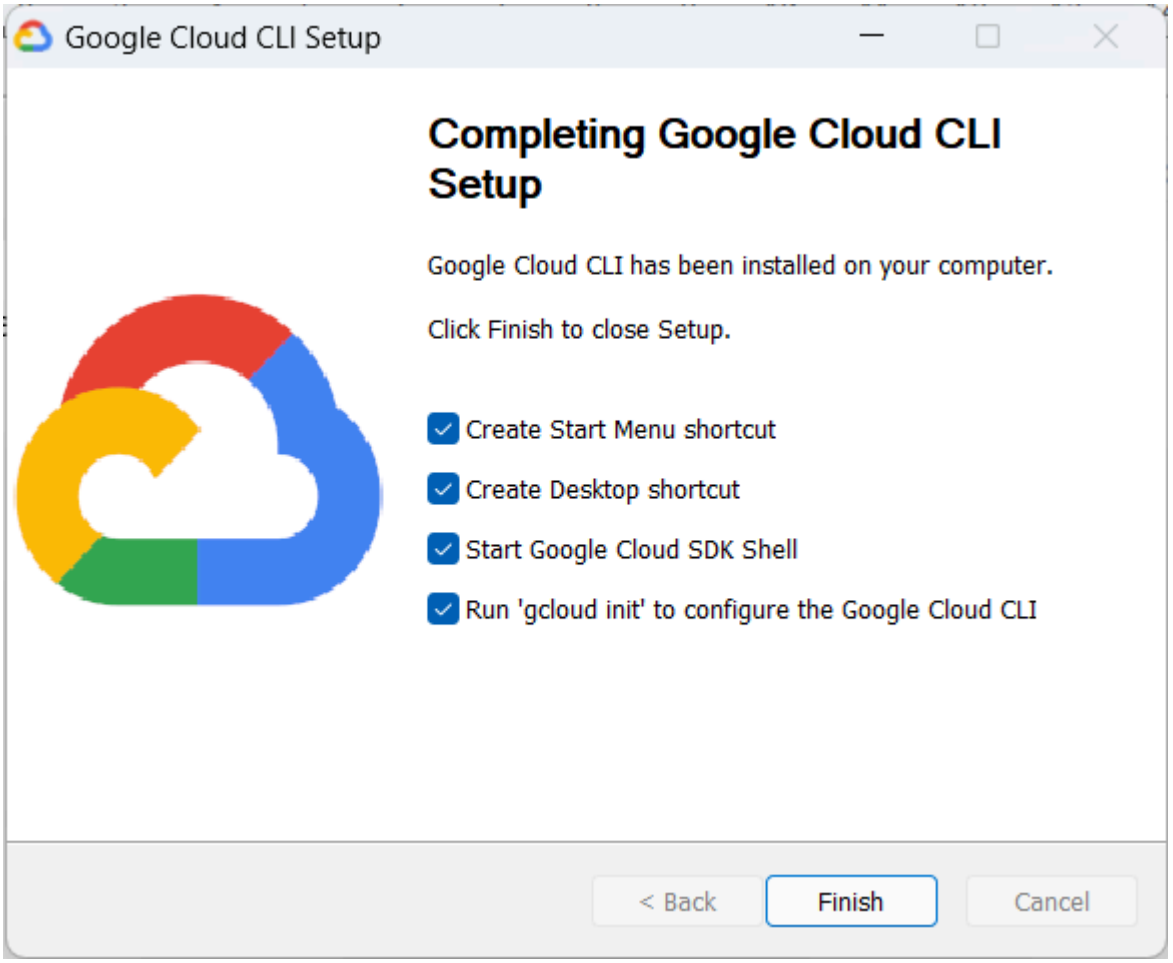
22. Go through the installation steps.



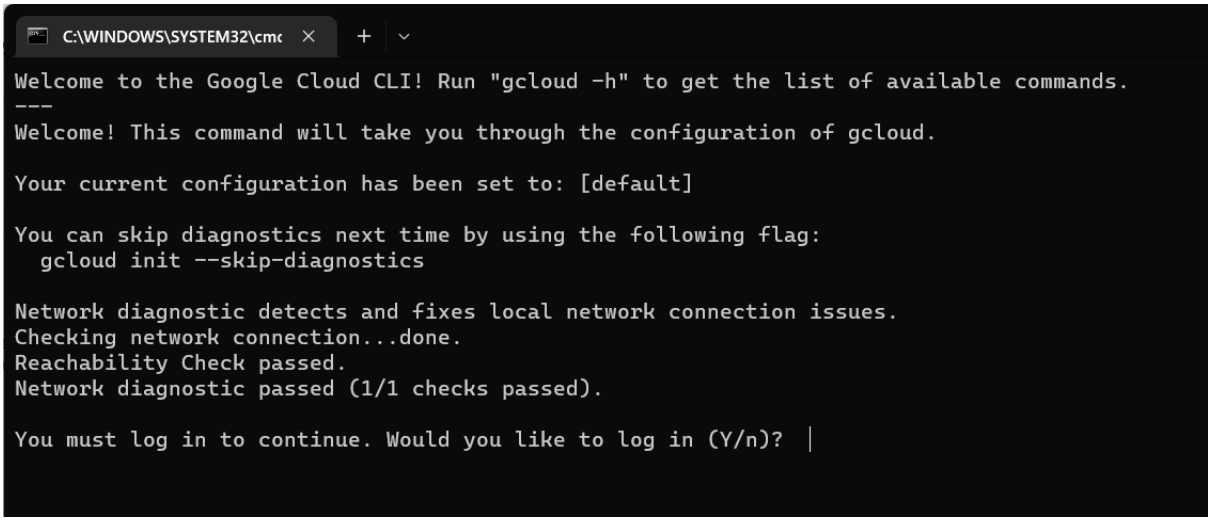
23. Save the installation space so you can use it later.



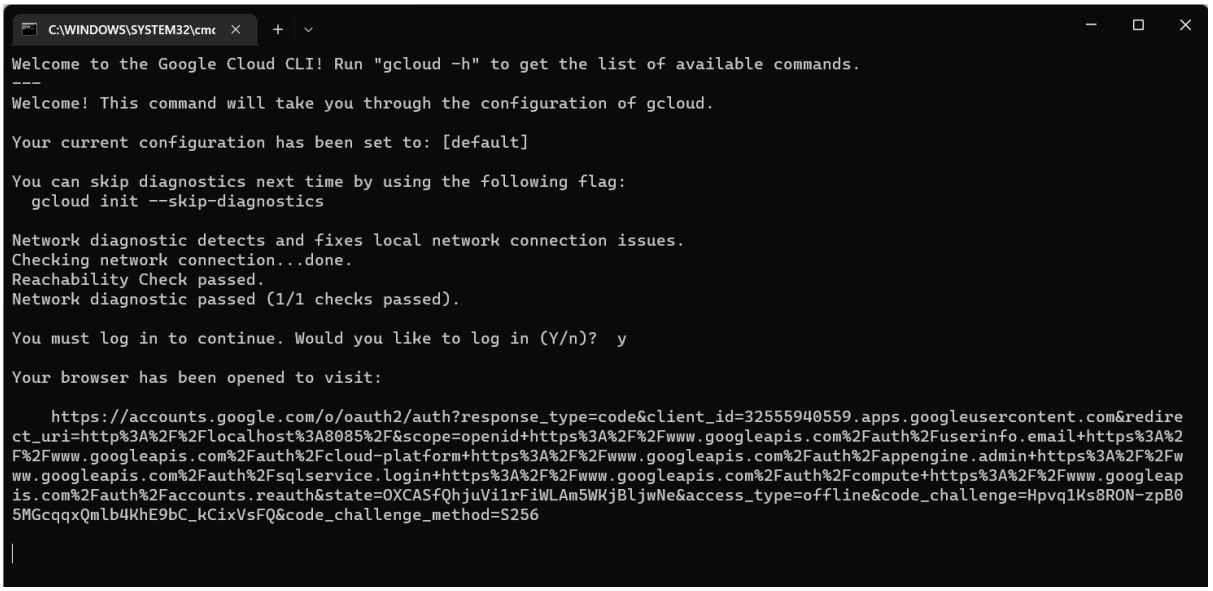
24. Press next.



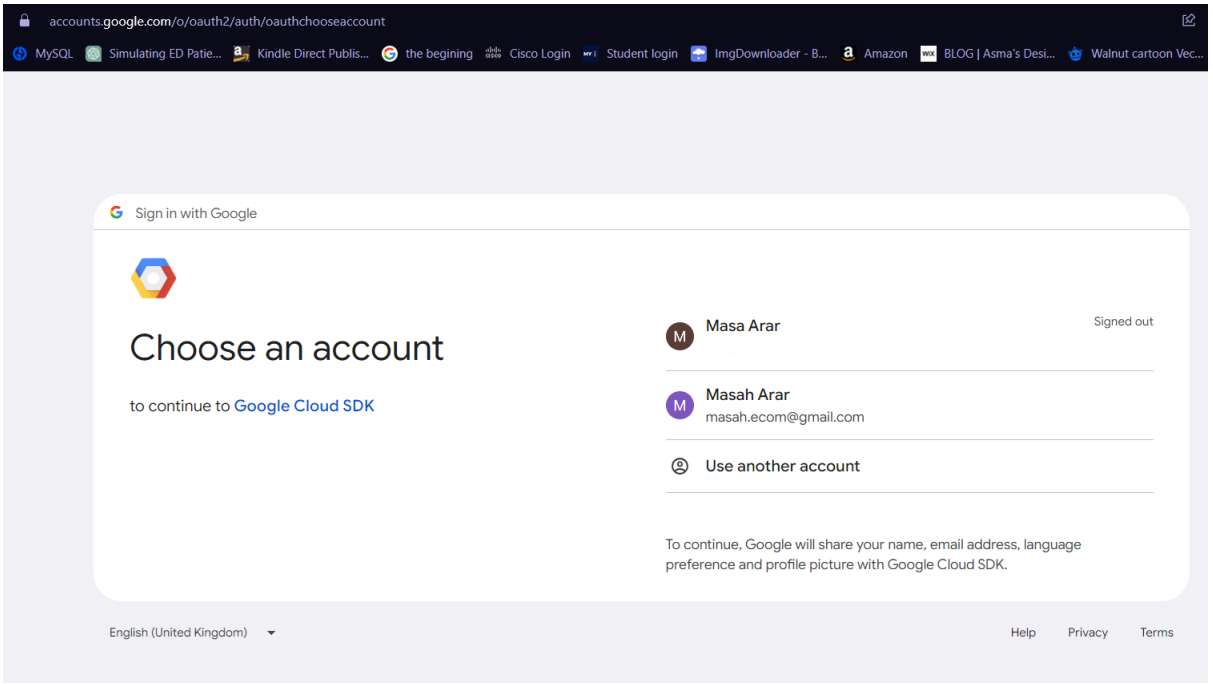
25. Click on finish and the google cloud CLI should open by itself

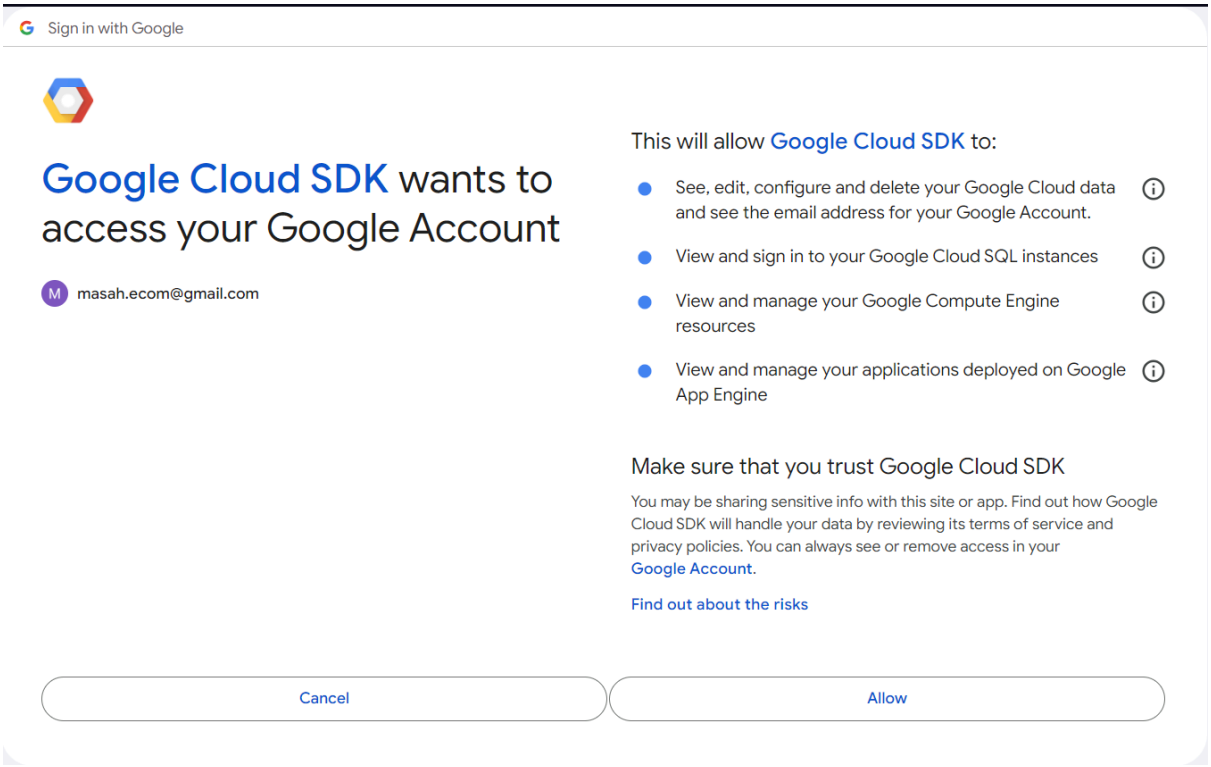


26. Log in with the account you just set up on google cloud.

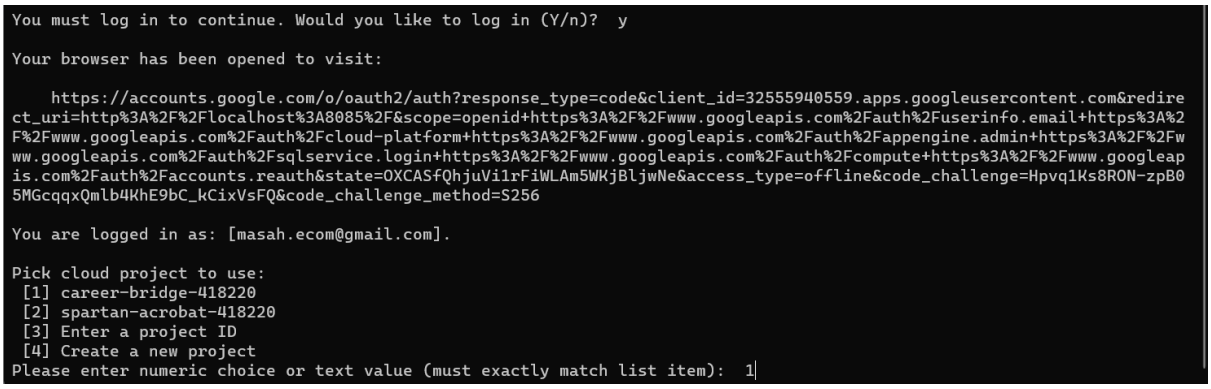

C:\WINDOWS\SYSTEM32\cmd
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.

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%2Fsqlservice.login+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=OXCASfQhjuVi1rFiWLAm5WKjBljwNe&access_type=offline&code_challenge=Hpvq1Ks8RON-zpB05MGcqqxQmlb4KhE9bC_kCixVsFQ&code_challenge_method=S256

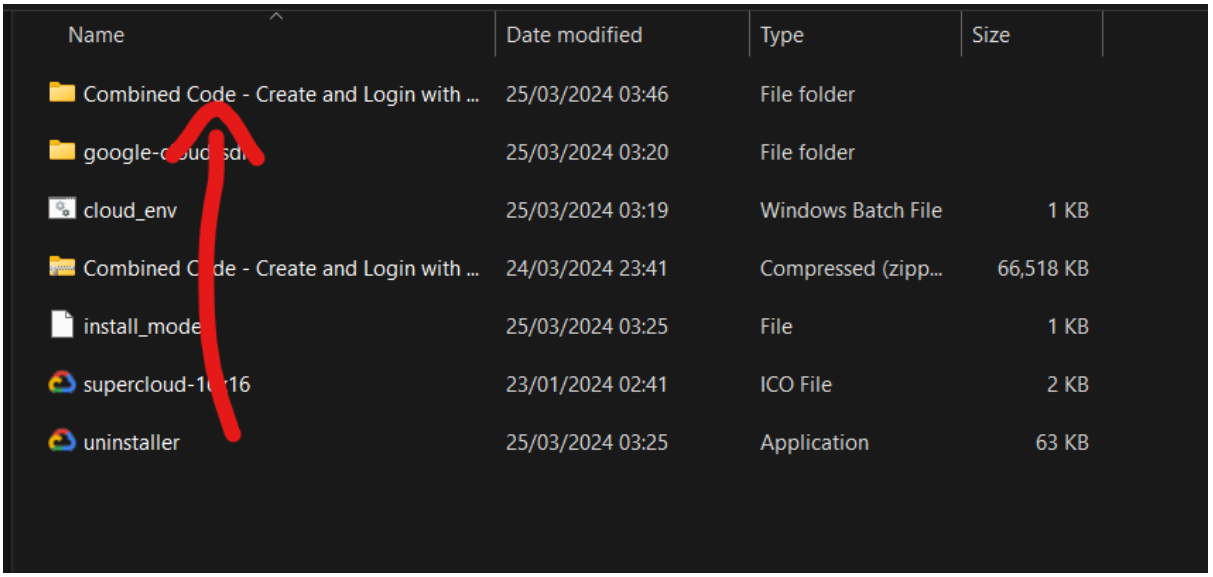

accounts.google.com/o/oauth2/auth/oauthchooseaccount
MySQL
Simulating ED Patie...
Kindle Direct Publis...
the begining
Cisco Login
Student login
ImgDownloader - B...
Amazon
BLOG | Asma's Desi...
Walnut cartoon Vec...
Sign in with Google
Choose an account
to continue to Google Cloud SDK
Masa Arar
Signed out
Masah Arar
masah.ecom@gmail.com
Use another account
To continue, Google will share your name, email address, language preference and profile picture with Google Cloud SDK.
English (United Kingdom)
Help
Privacy
Terms



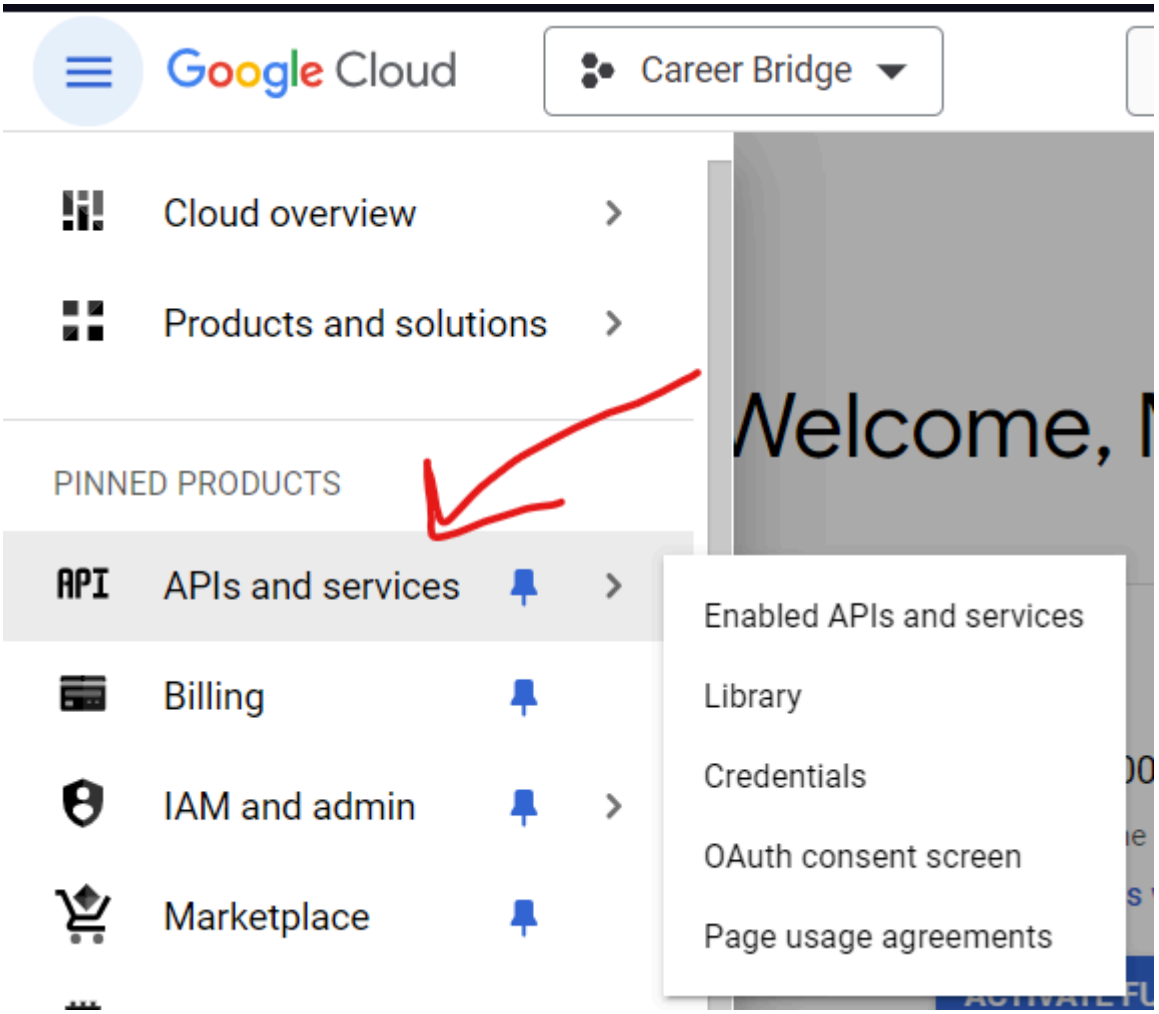
27. Allow everything
28. Now that you are logged in go back to the open terminal



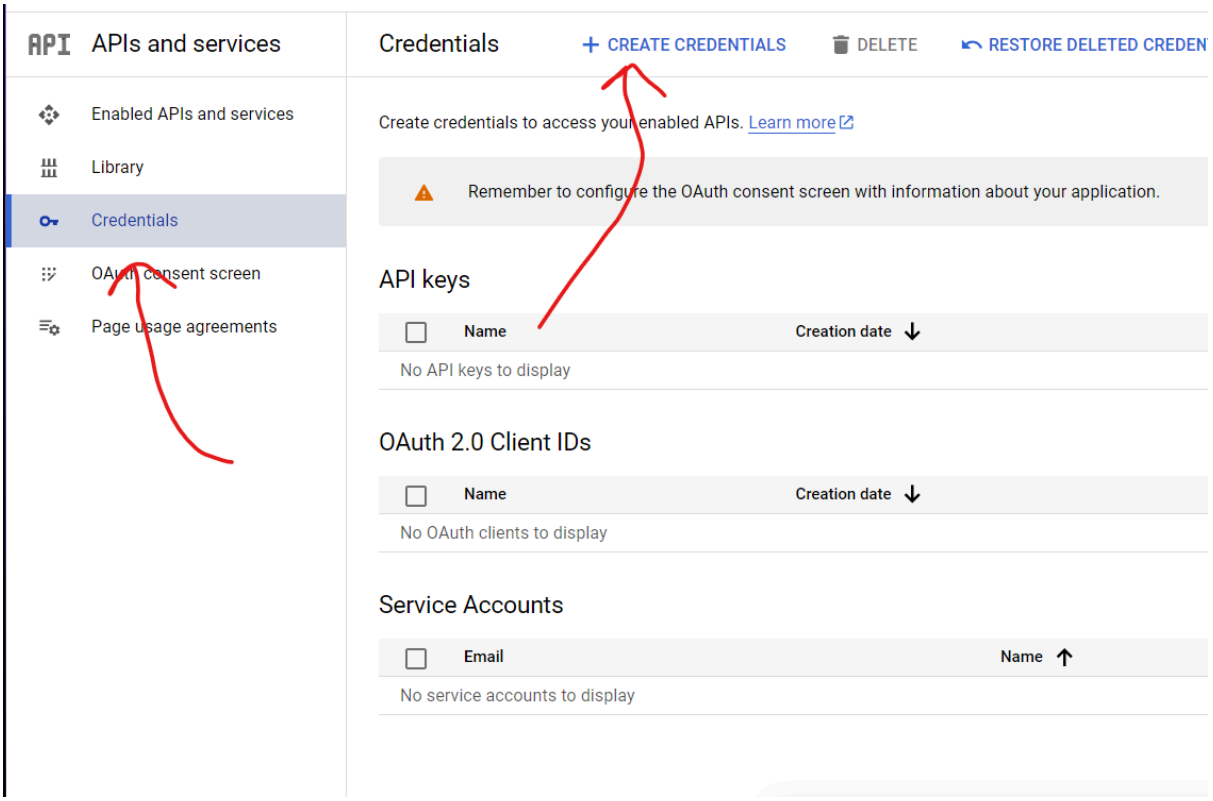
29. Please pick the one we just made, which is career bridge.
30. IF you close the terminal tab by mistake before logging in type “gcloud init” you will get the same script.
31. Now we need to add an api key and use it.
32. First download the code zip file and extract it in the Cloud SDK file that i asked you to save earlier: C:\Users\masaa\AppData\Local\Google\Cloud SDK



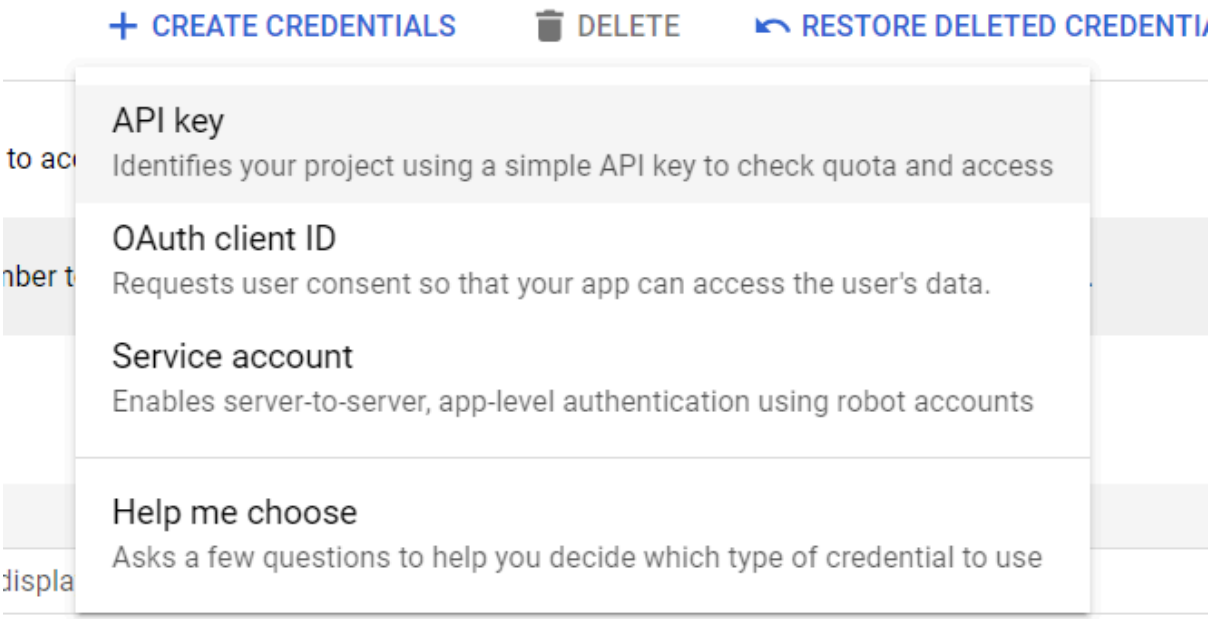
33. Go back to api and services:

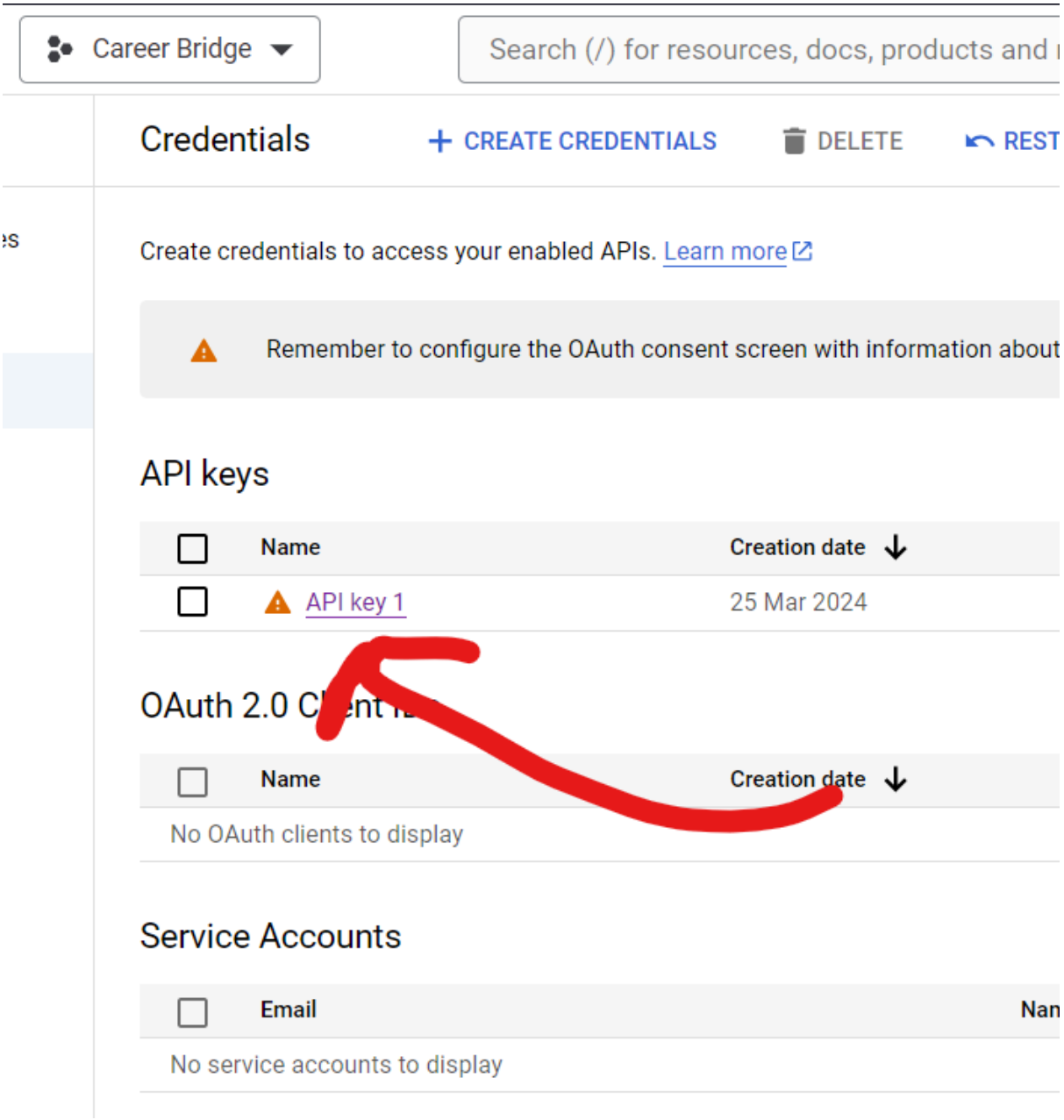


34. Go to credentials and create new credentials



35. Pick API key





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

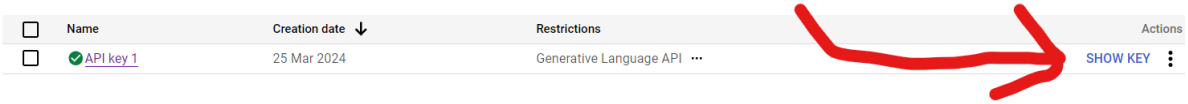
Selected APIs:

Generative Language API

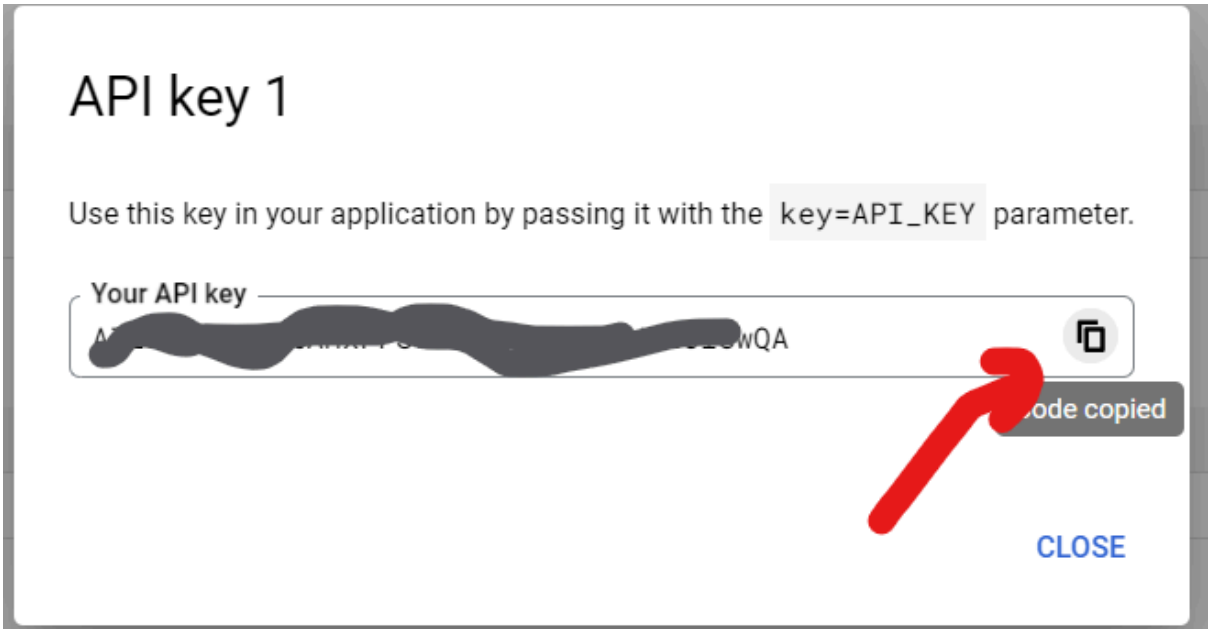
Note: It may take up to five minutes for settings to take effect.

SAVE CANCEL

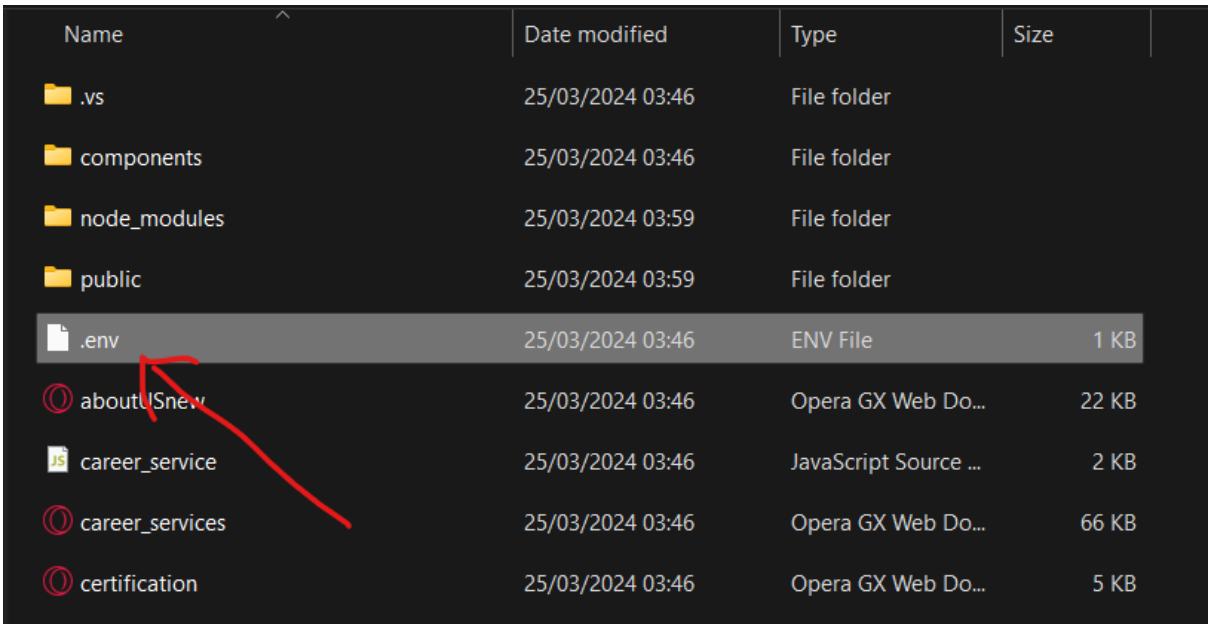
API keys



37. Copy key



38. Navigate to the file called .env

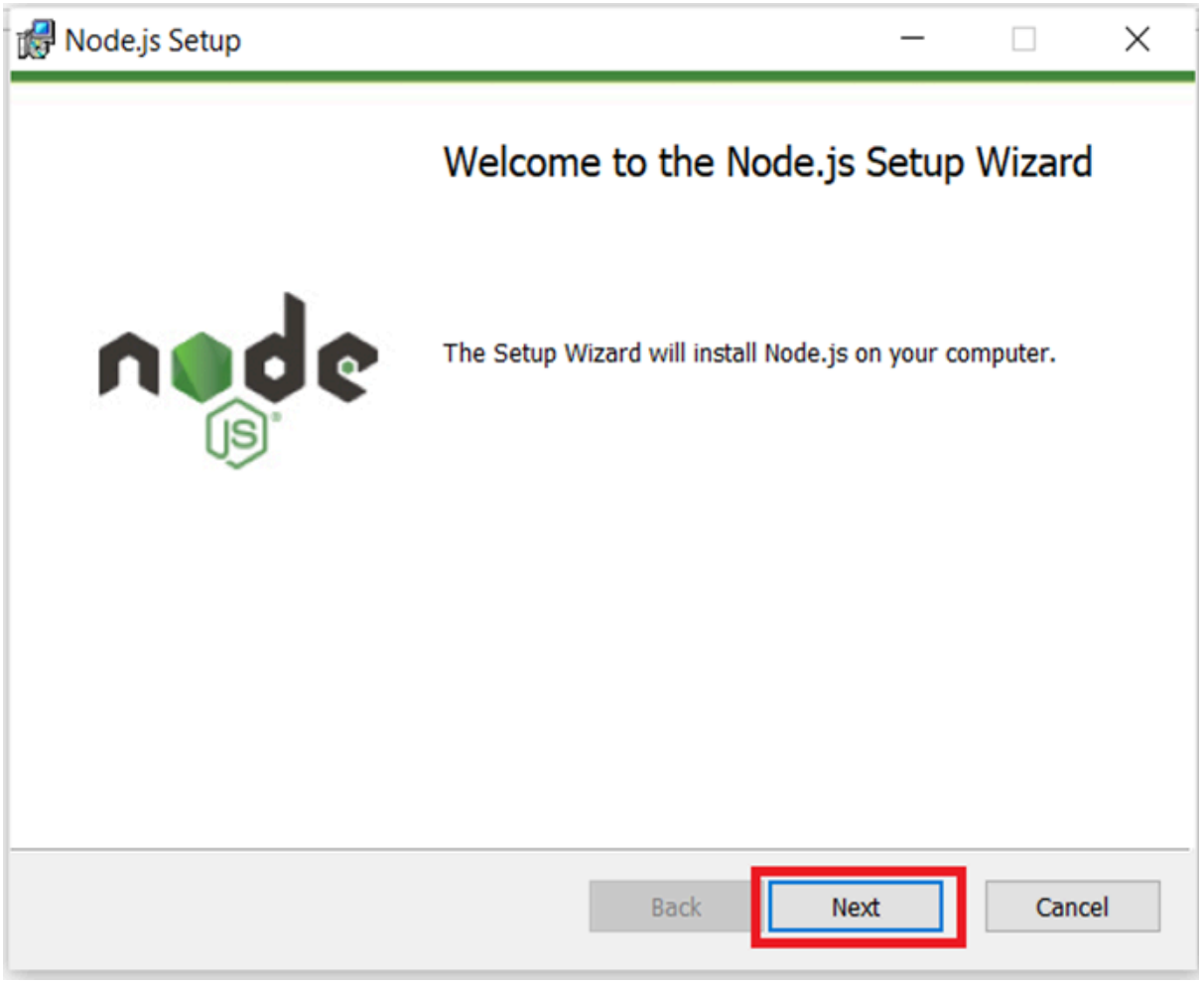


39. Replace the api key.

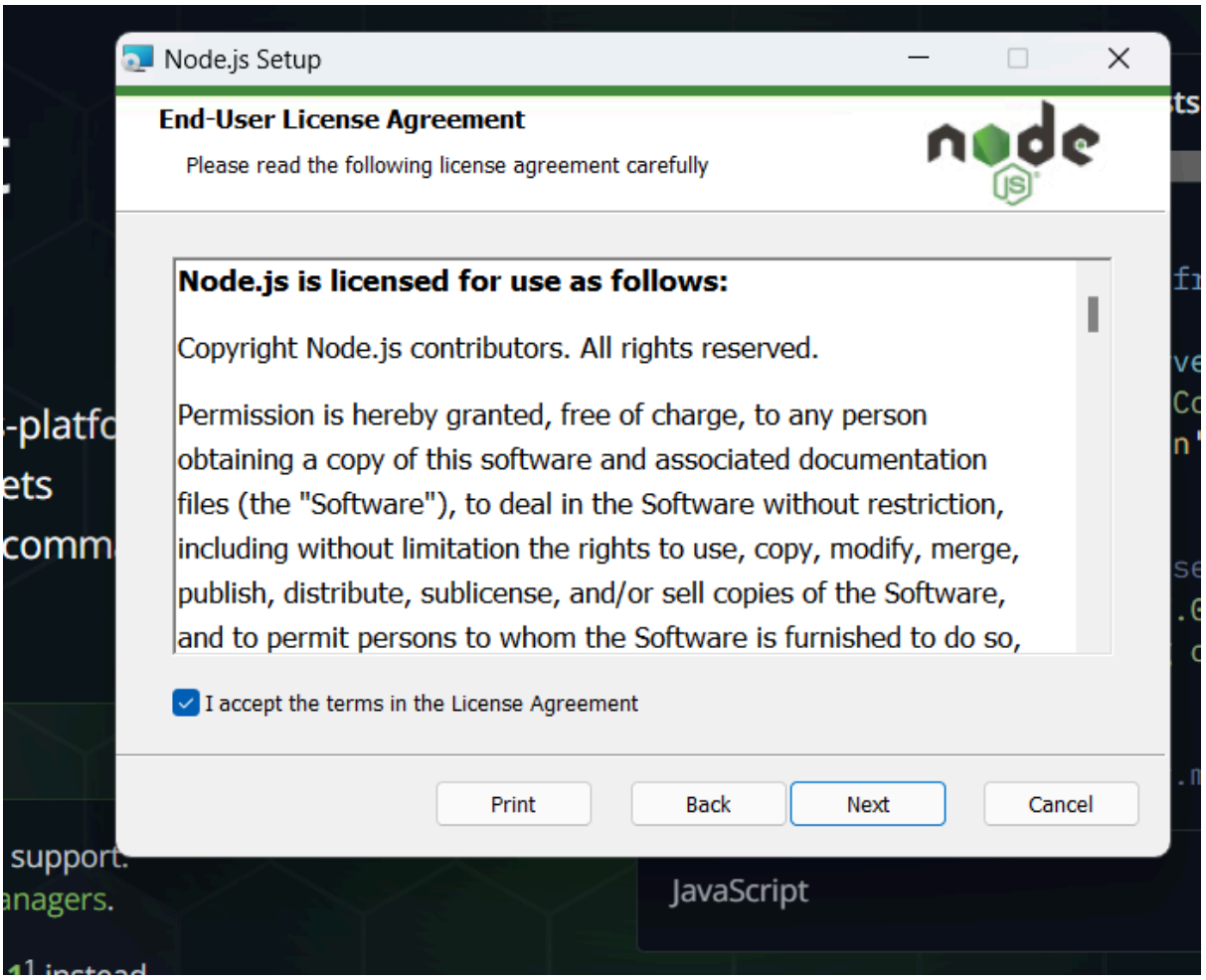
Node.js installation:

1.

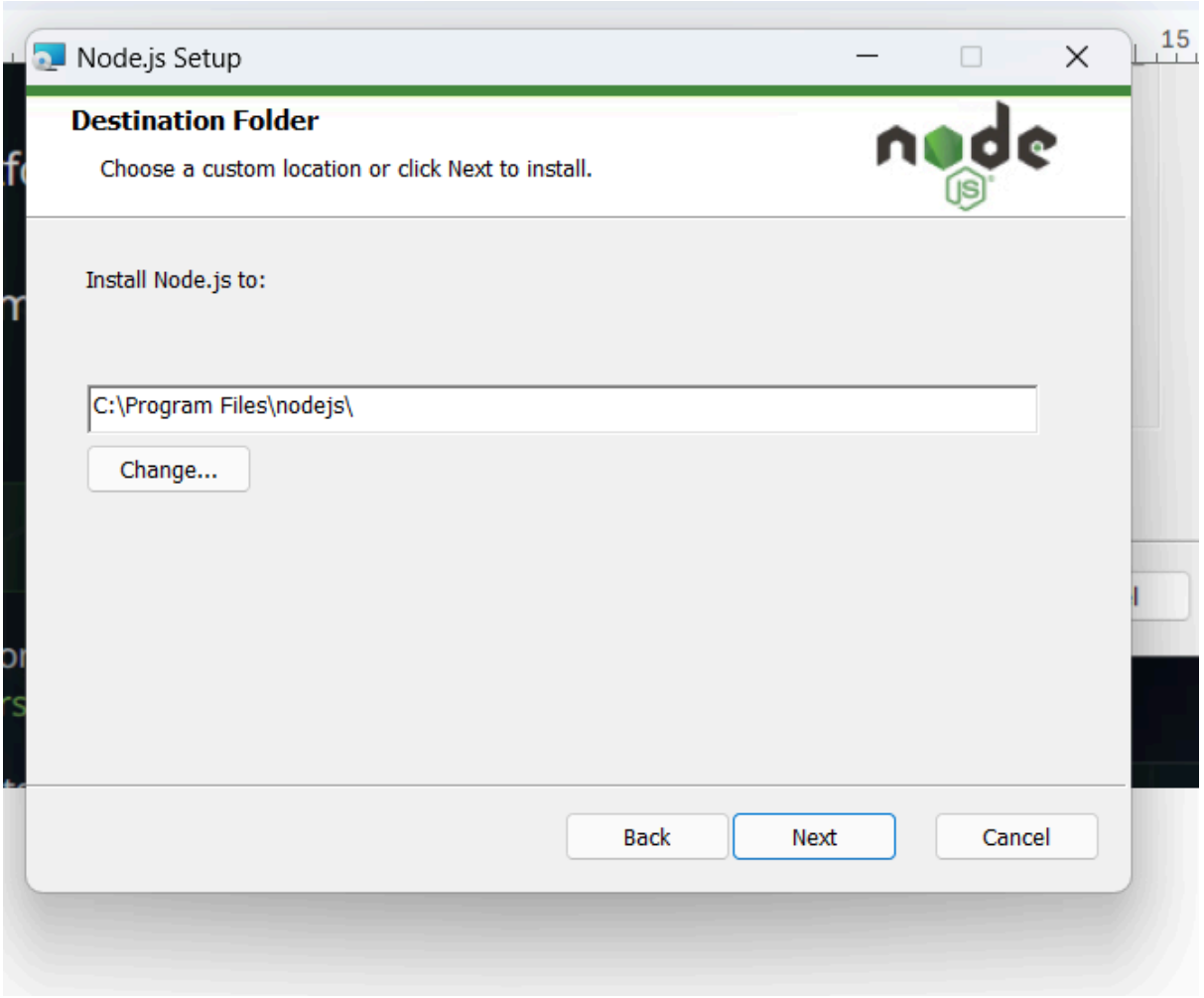
2.


Node.js Setup
Welcome to the Node.js Setup Wizard
The Setup Wizard will install Node.js on your computer.
Back
Next
Cancel

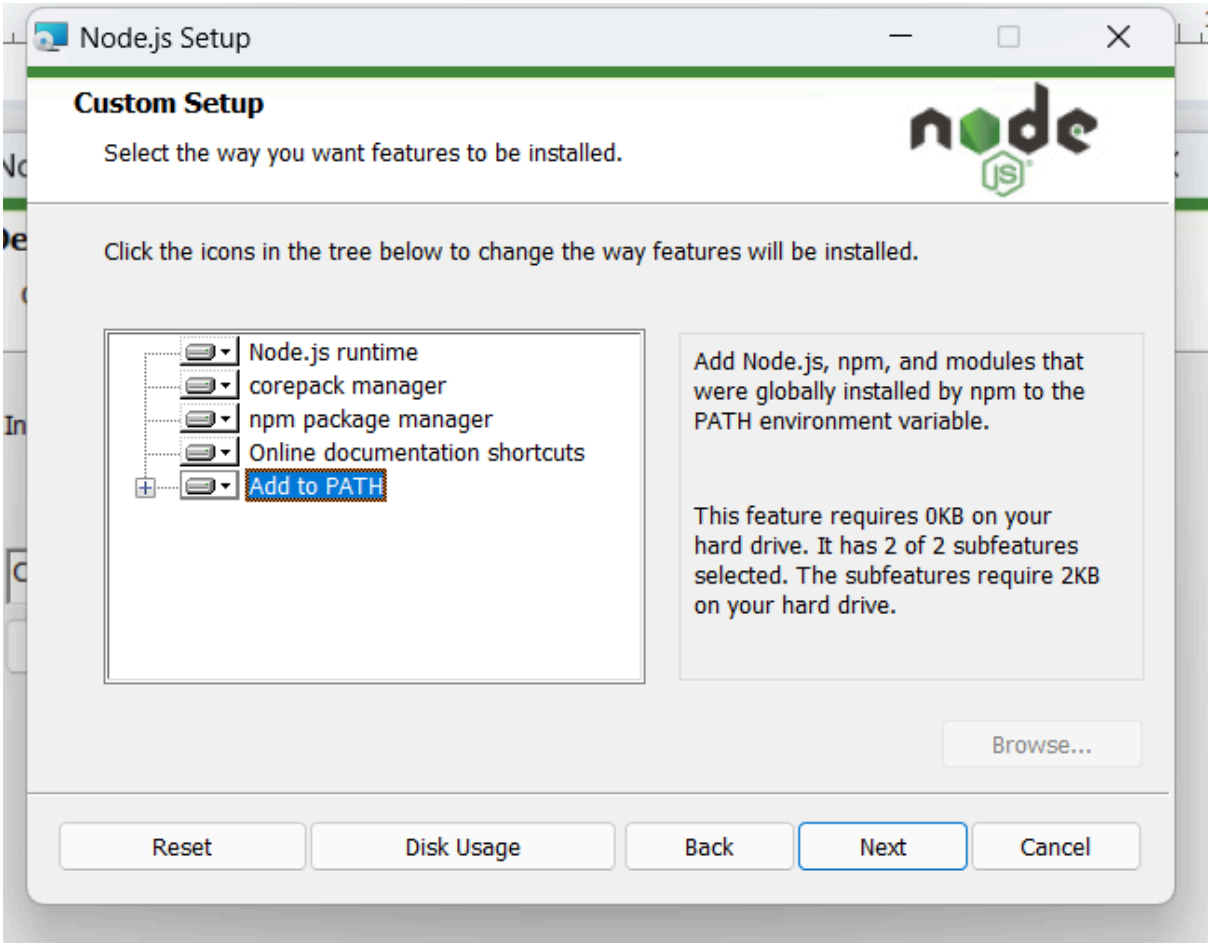
3.


Node.js Setup
End-User License Agreement
Please read the following license agreement carefully
Node.js is licensed for use as follows:
Copyright Node.js contributors. All rights reserved.
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,
I accept the terms in the License Agreement
Print
Back
Next
Cancel
JavaScript

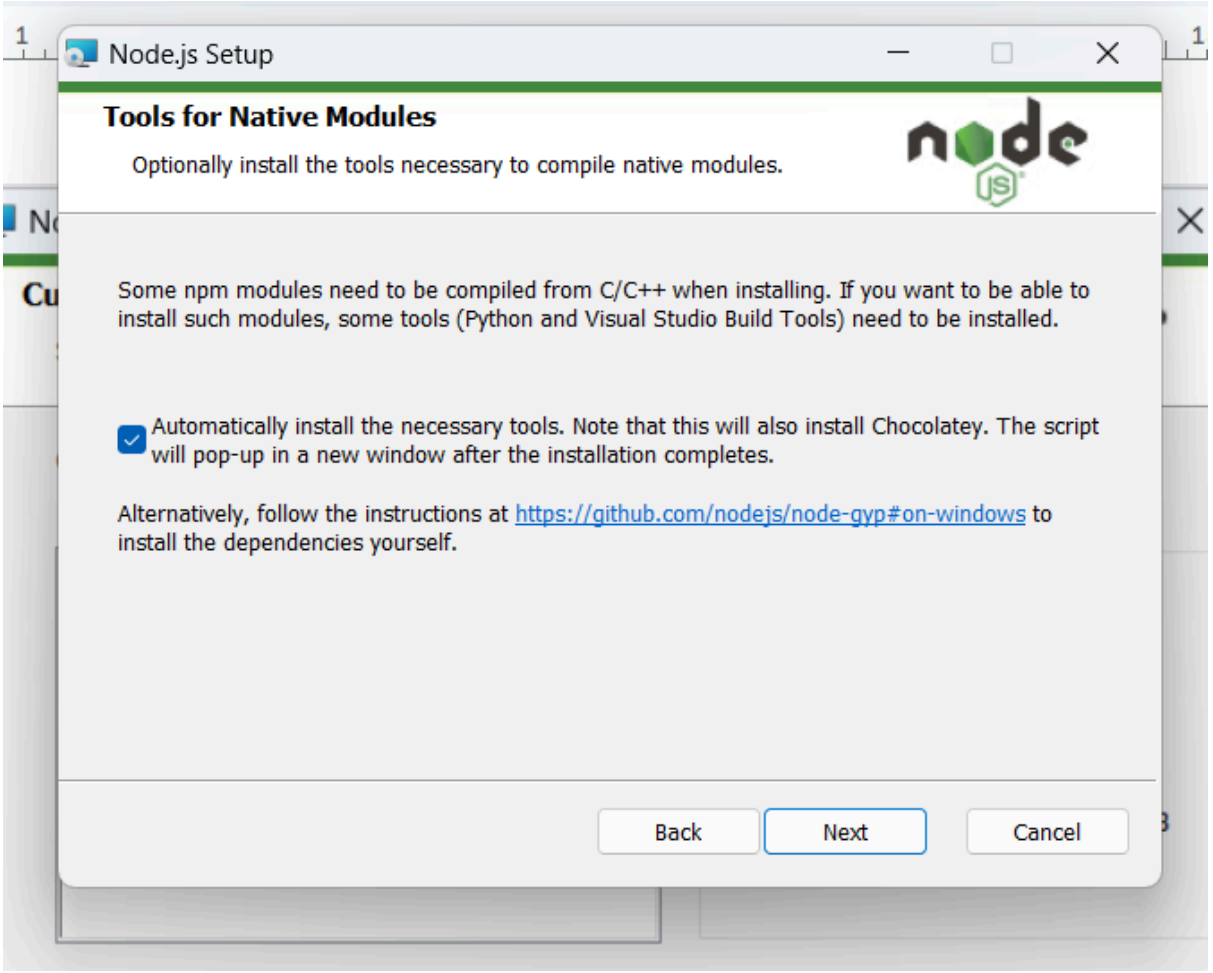
4.


Node.js Setup
Destination Folder
Choose a custom location or click Next to install.
Install Node.js to:
C:\Program Files\nodejs\
Change...
Back
Next
Cancel

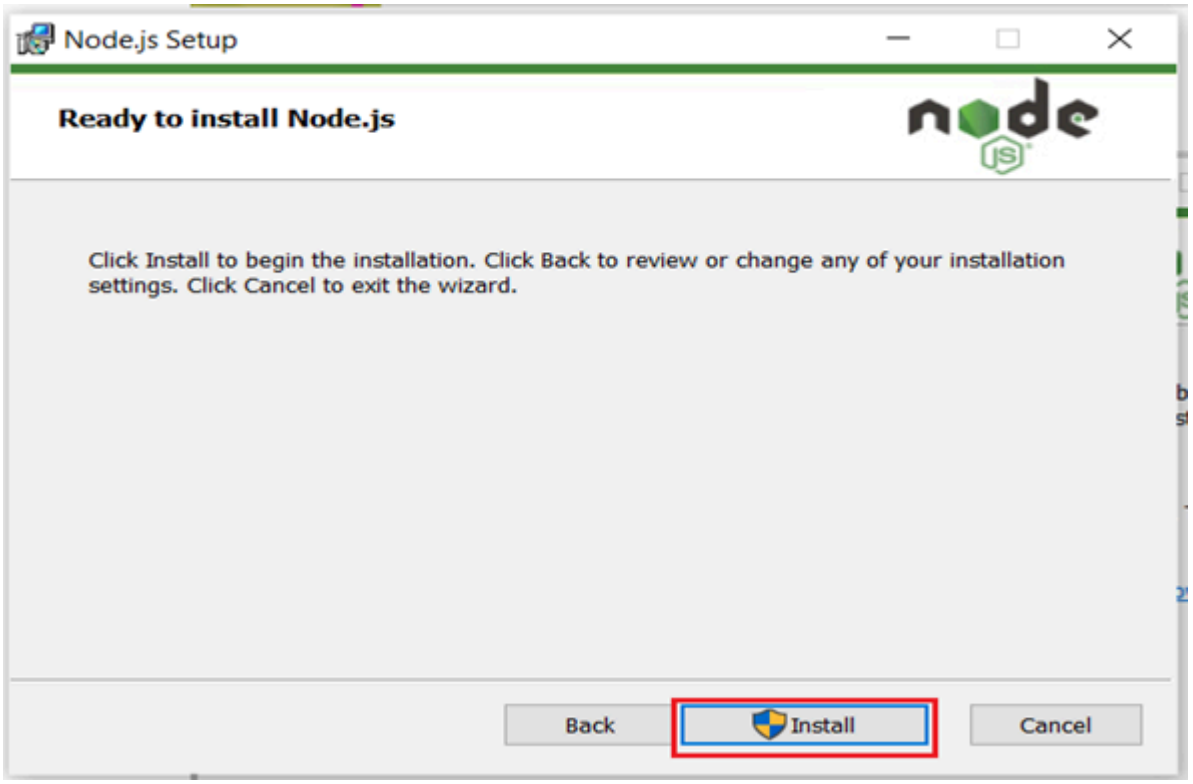
5.


Node.js Setup
Custom Setup
Select the way you want features to be installed.
Click the icons in the tree below to change the way features will be installed.
Node.js runtime
corepack manager
npm package manager
Online documentation shortcuts
Add to PATH
Add Node.js, npm, and modules that were globally installed by npm to the PATH environment variable.
This feature requires 0KB on your hard drive. It has 2 of 2 subfeatures selected. The subfeatures require 2KB on your hard drive.
Browse...
Reset
Disk Usage
Back
Next
Cancel

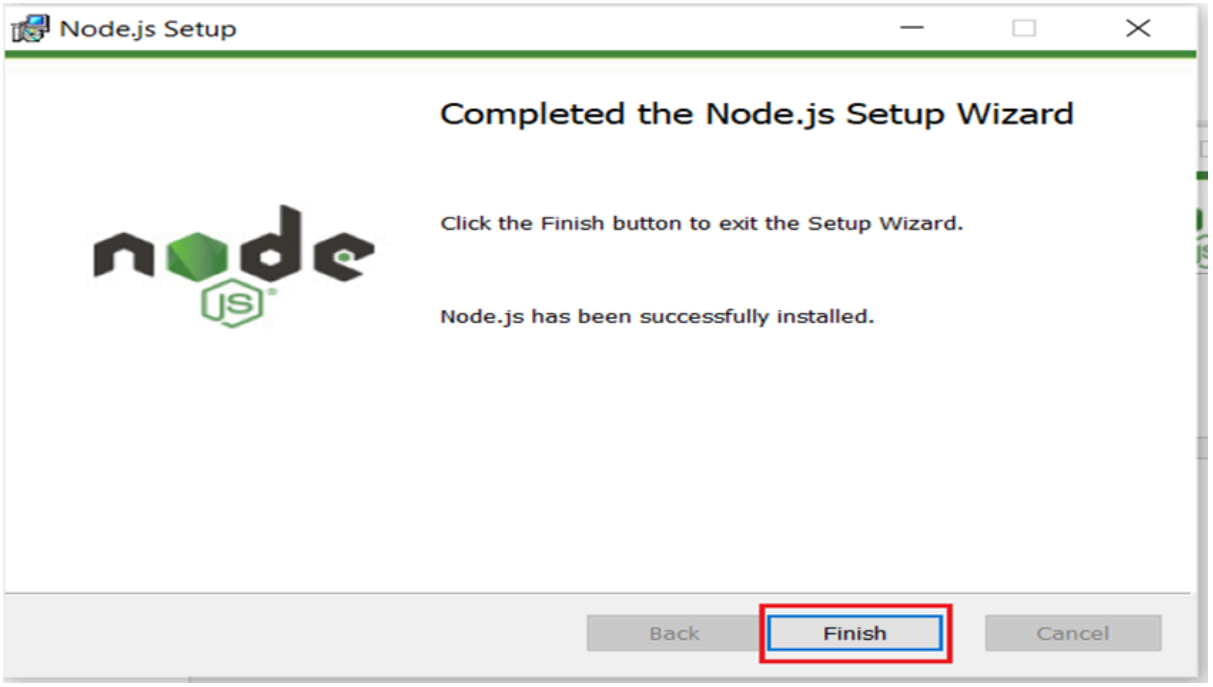
6.


Node.js Setup
Tools for Native Modules
Optionally install the tools necessary to compile native modules.
Some npm modules need to be compiled from C/C++ when installing. If you want to be able to install such modules, some tools (Python and Visual Studio Build Tools) need to be installed.
Automatically install the necessary tools. Note that this will also install Chocolatey. The script will pop-up in a new window after the installation completes.
Alternatively, follow the instructions at https://github.com/nodejs/node-gyp#on-windows to install the dependencies yourself.
Back
Next
Cancel

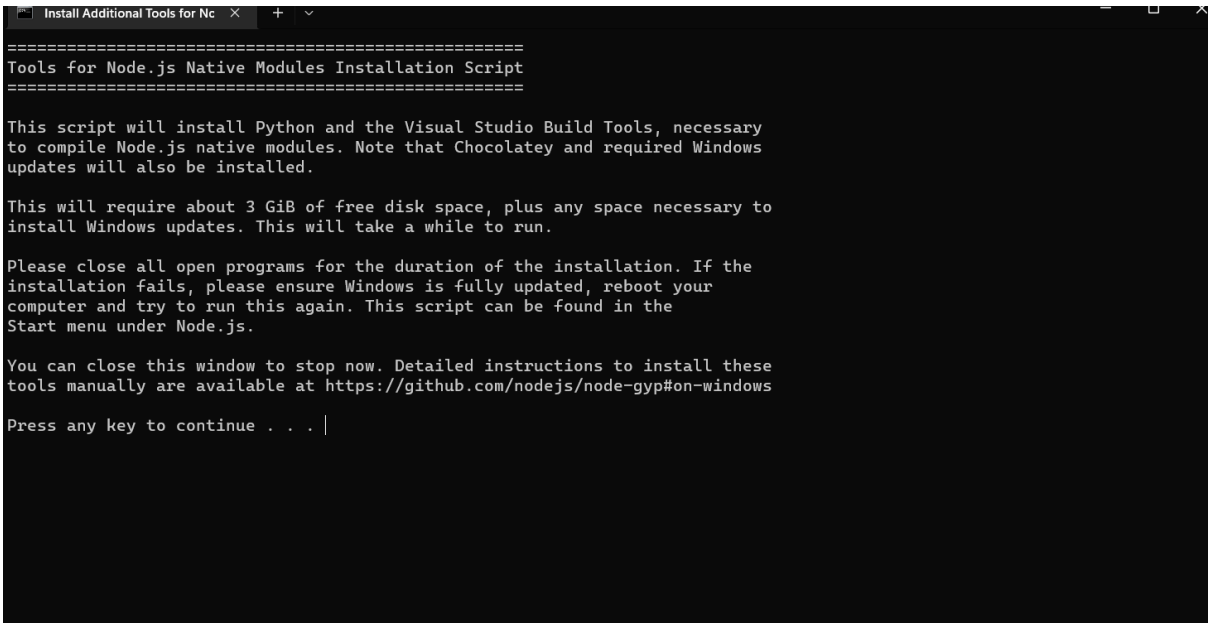
7.



8.

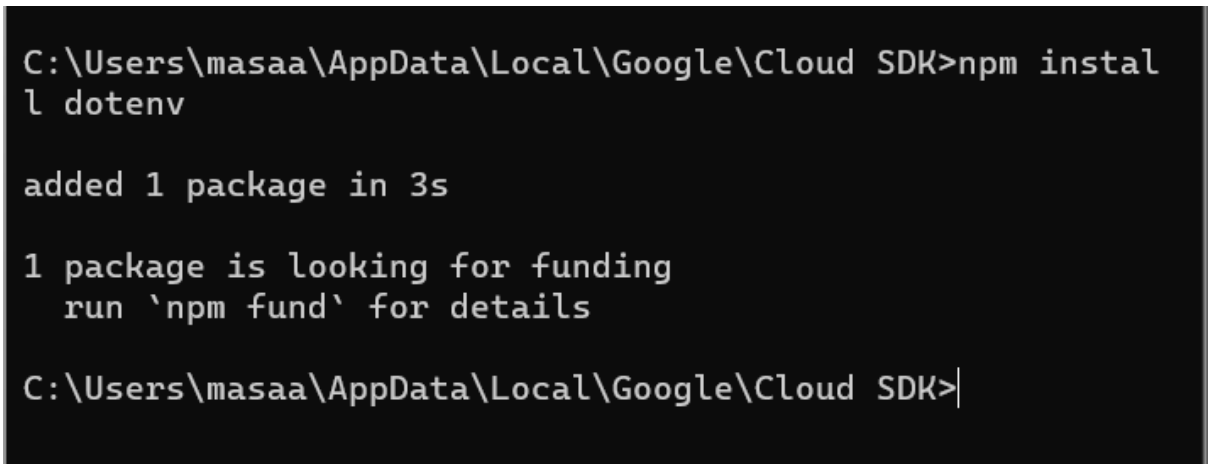


9. Once you print finish , terminal would pop up



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
 @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
```