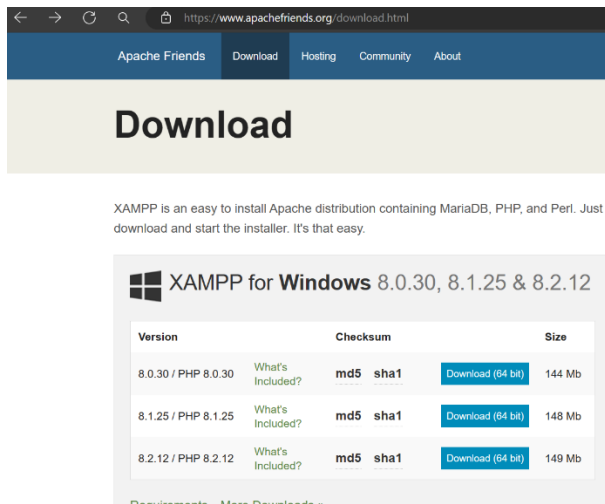
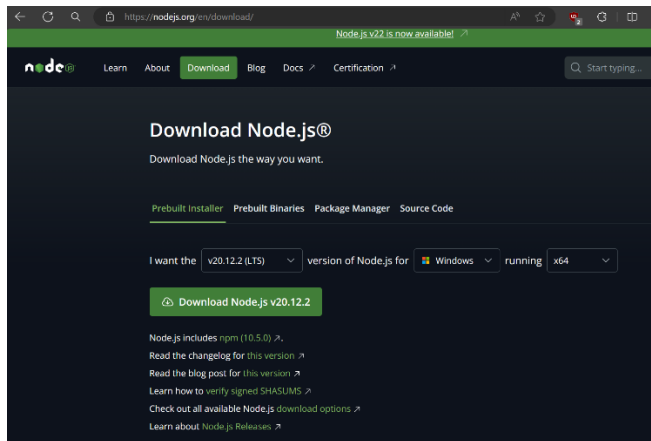


HARD REQUIREMENTS

XAMPP : <https://www.apachefriends.org/>



NODE.JS : <https://nodejs.org/en>

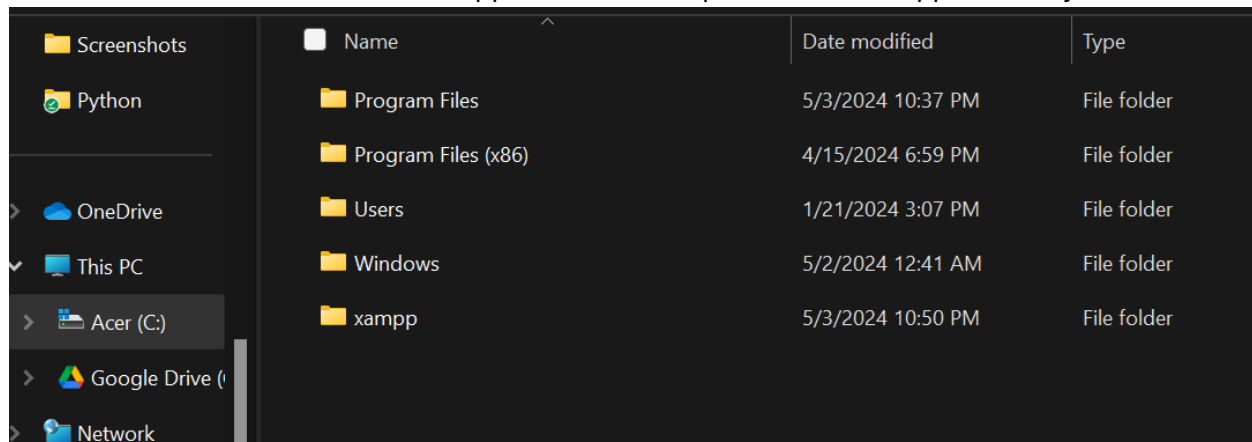


Instructions:

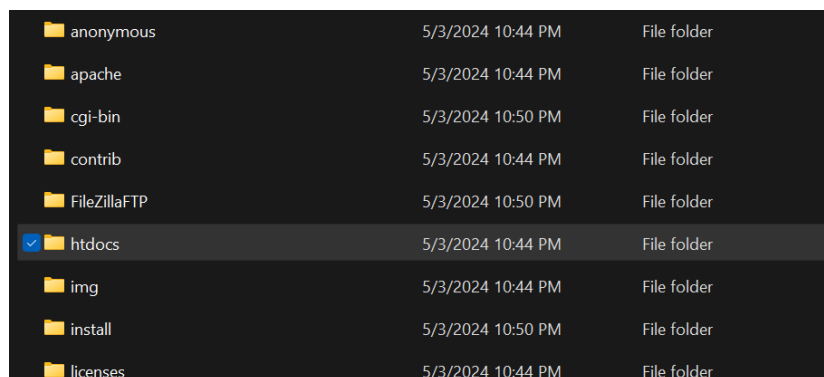
Assuming the 2 requirements are already installed.

Select the green Code button on GitHub and select 'Download ZIP'

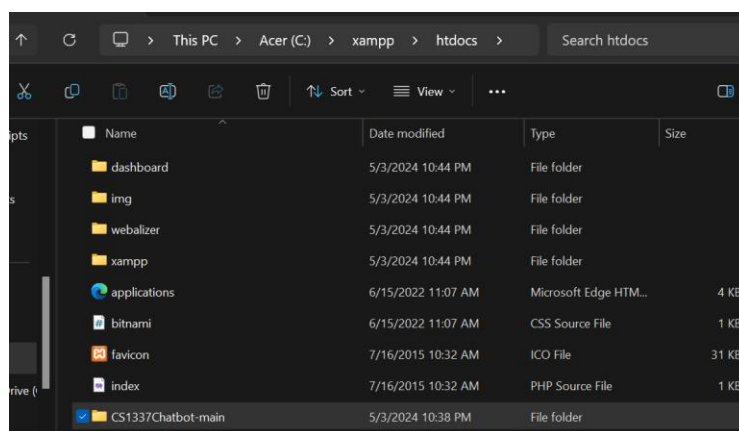
Extract all the files and move the unzipped folder into a place called xampp found in your C: drive



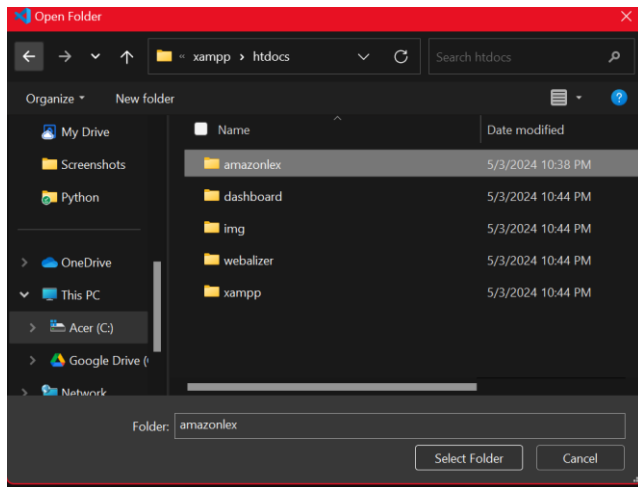
Now look for a file called htdocs



Place the file in there, like so.

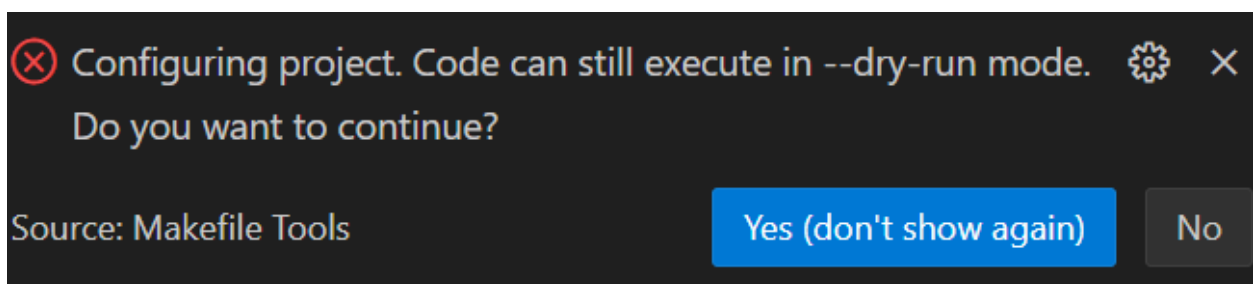
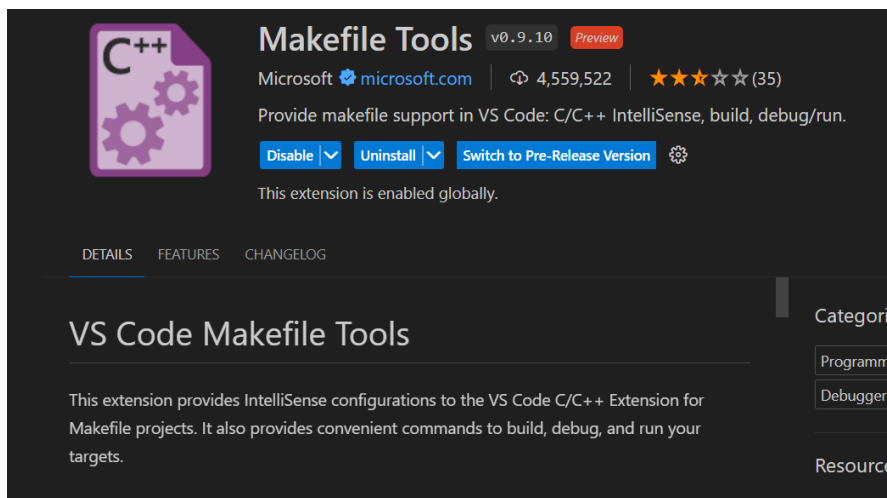


You can rename the file to amazonlex if you wish, to make it easier later.



and open that unzipped folder in VS code, with File -> Open Folder.

It uses a makefile to compile the code, so VScode make ask you to download Makefile Tools (by Microsoft.com) if you do not already have the extension.



You will see this, click Yes(don't show again)

After you should see this

```
Configure finished: the status for all the subphases that ran:  
loadFromCache: return code = -3, elapsed time = 0  
generateParseContent: return code = 1, elapsed time = 0.09  
preprocessParseContent: return code = 0, elapsed time = 0  
parseIntelliSense: return code = 0, elapsed time = 0.009  
parseLaunch: return code = 0, elapsed time = 0.007  
dryrunTargets: return code = 1, elapsed time = 0.085  
parseTargets: return code = 0, elapsed time = 0.001  
Configure succeeded.  
Configure elapsed time: 0.221
```

Now we go to the terminal in VScode and type the following 'npm install'

```
PS C:\Users\eleme\OneDrive\Desktop\CS1337Chatbot-main> npm install
```

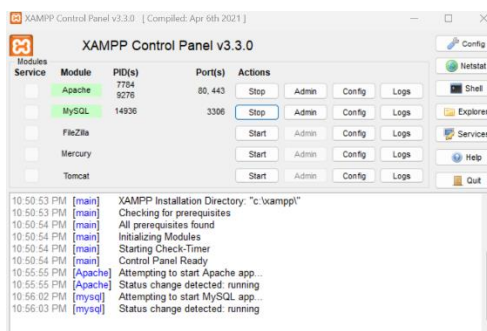
Now once that is taken care of, you want to run 'npm run build'

```
PS C:\Users\eleme\OneDrive\Desktop\CS1337Chatbot-main> npm run build  
  
> aws-lex-web-ui@0.21.1 build  
> npm run build-dev && npm run build-prod  
  
> aws-lex-web-ui@0.21.1 build-dev  
> webpack --mode development  
  
assets by chunk 2.64 MiB (name: lex-web-ui-loader)  
  asset lex-web-ui-loader.js 2.64 MiB [compared for emit] [big] (name: lex-web-ui-loader) 1 related asset  
  asset lex-web-ui-loader.css 4.03 KiB [compared for emit] (name: lex-web-ui-loader) 1 related asset  
assets by path *.html 7.68 KiB  
  asset parent.html 6.97 KiB [compared for emit]  
  asset index.html 726 bytes [compared for emit]  
asset custom-chatbot-style.css 1.89 KiB [compared for emit] [from: ../website/custom-chatbot-style.css] [copied]  
Entrypoint lex-web-ui-loader [big] 2.64 MiB (2.6 MiB) = lex-web-ui-loader.css 4.03 KiB lex-web-ui-loader.js 2.64 MiB 2 auxiliary assets  
  
ERROR in unable to locate 'C:\Users\eleme\OneDrive\Desktop\CS1337Chatbot-main\lex-web-ui\dist\bundle' glob  
  
webpack 5.90.3 compiled with 1 error in 3688 ms  
PS C:\Users\eleme\OneDrive\Desktop\CS1337Chatbot-main> npm start
```

After that, type 'npm start'

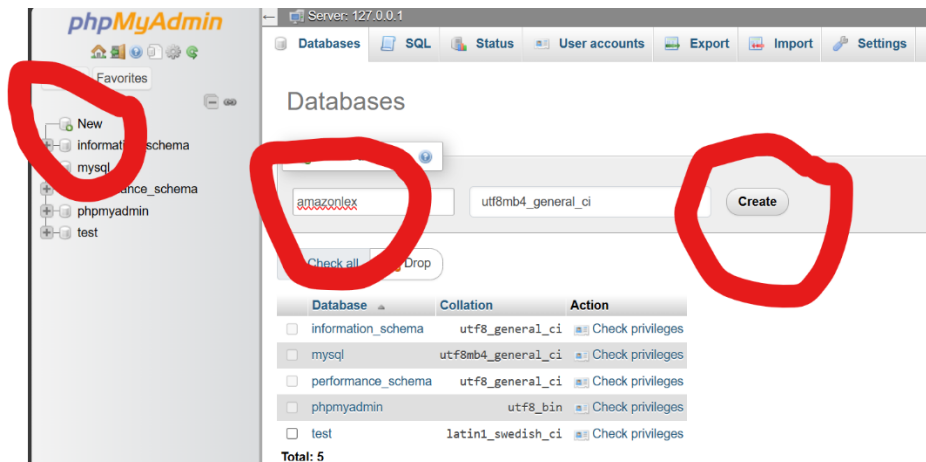
```
PS C:\Users\eleme\OneDrive\Desktop\CS1337Chatbot-main> npm start  
  
> aws-lex-web-ui@0.21.1 start  
> node server.js  
  
App listening on: http://localhost:8000  
█
```

Now you are done with the VScode part, onto xampp. Open Xampp and you should see this screen

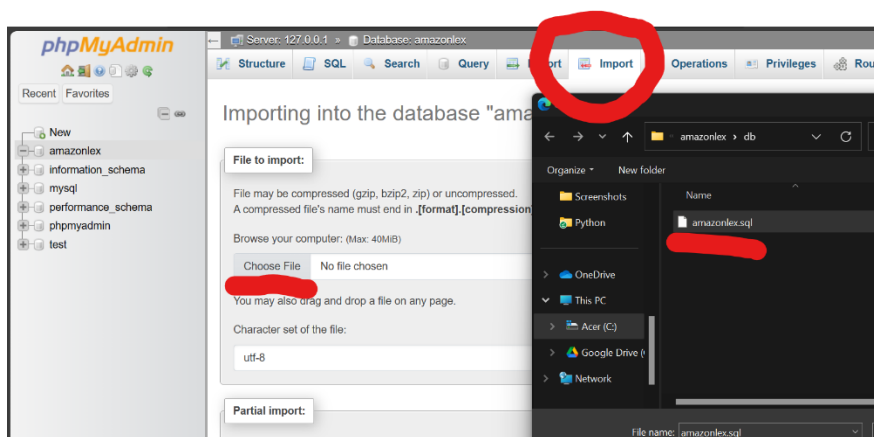


Click start on both the Apache and MySQL lines as seen above, and click 'Admin' on the MySQL line.

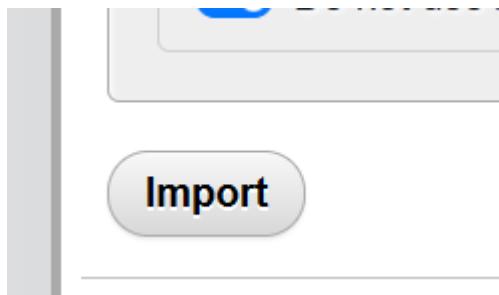
You should see a screen like this, after you click 'New' on the left side of the screen. Enter 'amazonlex' as the database name and click create



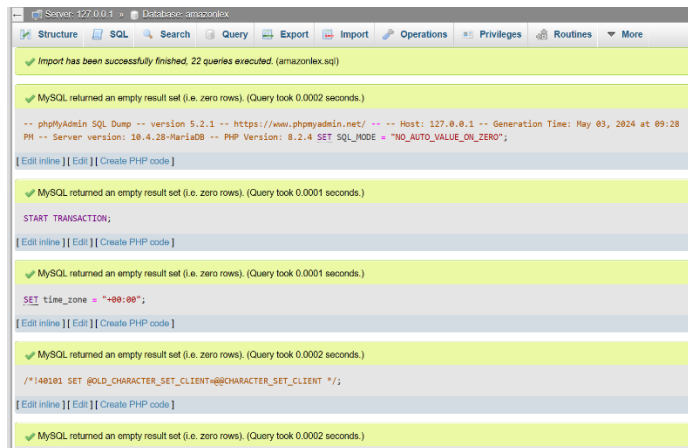
Now click the database you created, and click import, and when choose file is selected, open the folder under 'db' in the amazonlex folder that was renamed earlier.



Then scroll down and click import



You will see this screen:



```
Server: 127.0.0.1 - Database: amazonlex
Structure SQL Search Query Export Import Operations Privileges Routines More

Import has been successfully finished. 22 queries executed. (amazonlex.sql)

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds)
-- phpMyAdmin SQL Dump -- version 5.2.1 -- https://www.phpmyadmin.net/ -- -- Host: 127.0.0.1 -- Generation Time: May 03, 2024 at 09:28
PM -- Server version: 10.4.28-MariaDB -- PHP Version: 8.2.4 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
[Edit inline] [Edit] [Create PHP code]

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds)
START TRANSACTION;
[Edit inline] [Edit] [Create PHP code]

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds)
SET time_zone = "+00:00";
[Edit inline] [Edit] [Create PHP code]

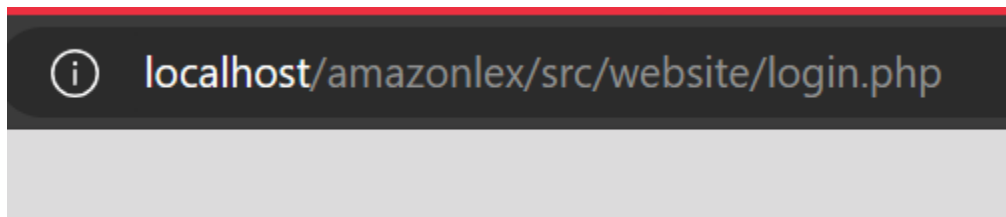
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds)
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
[Edit inline] [Edit] [Create PHP code]

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds)
```

Here is the DB with the users in it, the NetID is the username and Password is the Password for the login page.

	StudentID	FirstName	LastName	Email	NetID	SSN	Disability	DisabilityType	Password
ite	1	Becky	Wecky	bcw200001@utdallas.edu	bcw200001	111-1111-2222	0	NULL	potato3
ite	2	Bob	Lob	bxl100000@utdallas.edu	bxl100000	22-2222-2222	1	blind	cat1

Now that part is done, you can now open a browser and type the following to get to the login page.

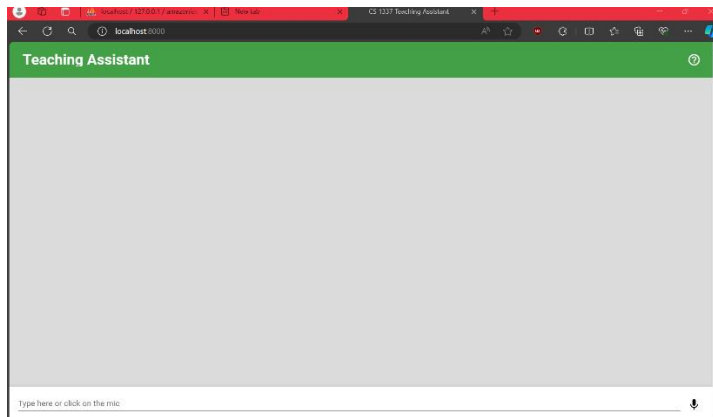


Once you get to the login page, you can type bcw200001 as the username and potato3 as the password.

Login

Login

After you login you can now ask away at the chatbot!



Please see the readme at the bottom of the github (the github readme) for some things to ask the chatbot.

How do I initialize arrays in C++?

multi dimension array access

Array initialization

I'm confused about using pointers.

I'm unsure how to deallocate memory.

Can you explain how to declare a pointer?

How does pointer arithmetic work?

Can you provide tips for using pointers safely?

Explain structured data types.

Can you show me how to define a struct?

Can you explain how to define a class?

Binary search

Linear search

Bubble sort

How does linear sort work?

Explain multi dimensional arrays.

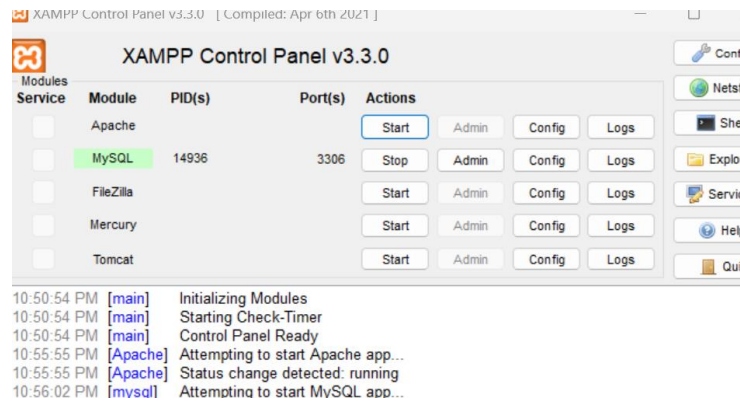
How do I prepare for exam1 ?

Once you are done go to VScode and you can ctrl c in the terminal to stop the project

```
> node server.js

App listening on: http://localhost:8000
Terminate batch job (Y/N)?
```

And you can open xampp and click stop for both Apache and MySQL



That's it!