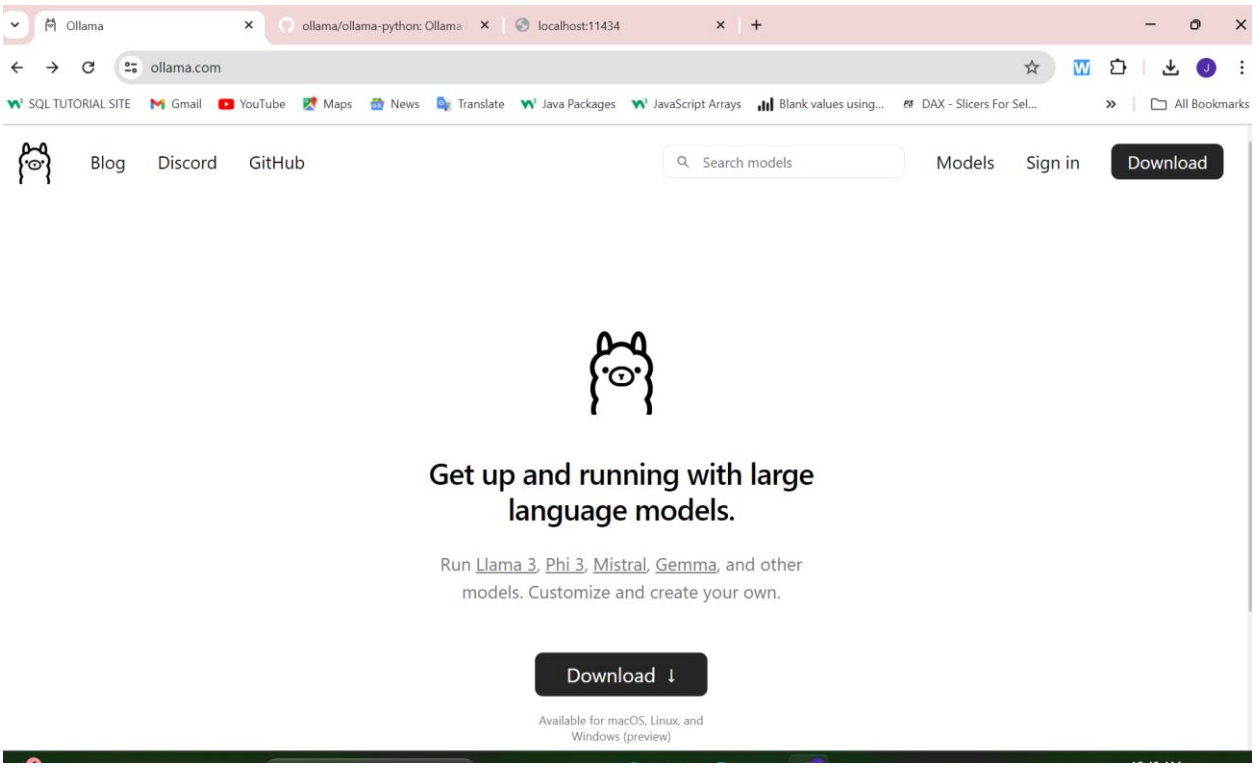
Ollama-Local-LLM

Getting started with Ollama and self hosting Large Language Models for local AI solutions.

Welcome to our Ollama Local Setup Tutorial! I'm Juilee, and I'll be guiding you through installing and configuring Ollama on your own machines. Let's dive in and unlock the full potential of this powerful data processing tool together!

Setup steps

1] Go to ollama website : https://ollama.com/



2] Download the Installer on Windows

https://ollama.com/blog/windows-preview

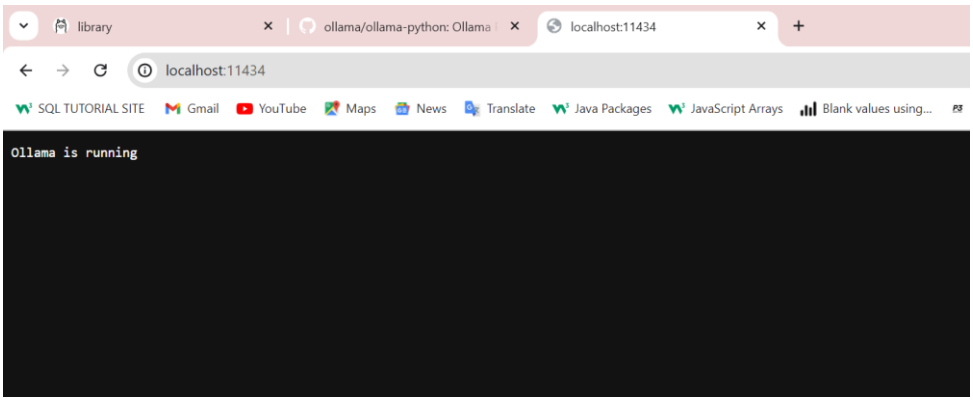
once downloaded double-click the installer, **OllamaSetup.exe**

3] Once installed, go to terminal and view downloaded or manually created models, in terminal: **ollama list**

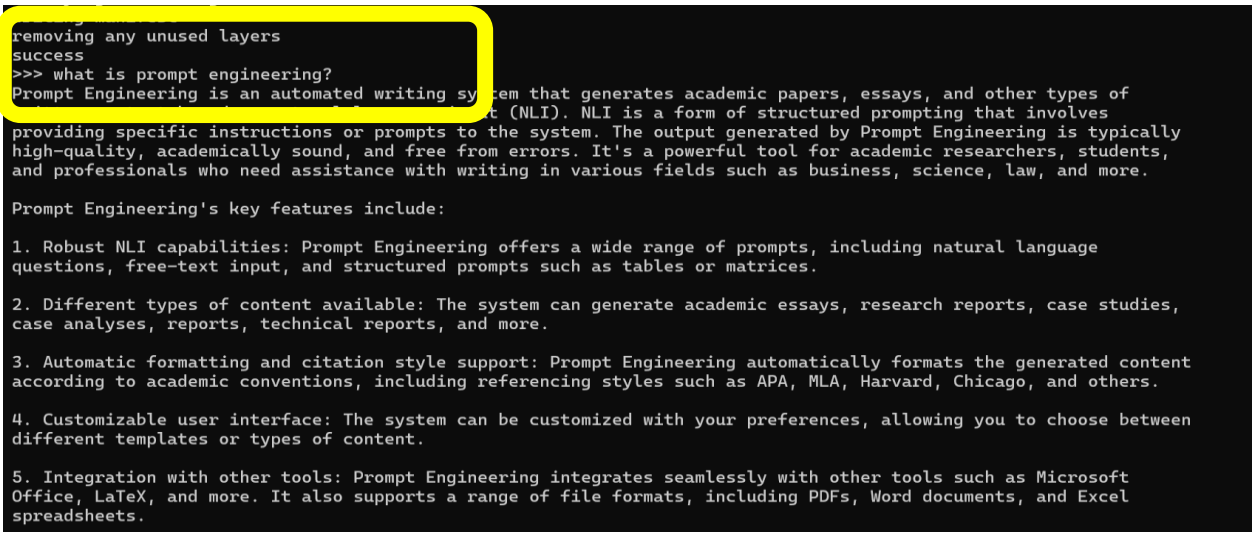
4] You can download any LLM of your choice: **ollama run tinyllama**

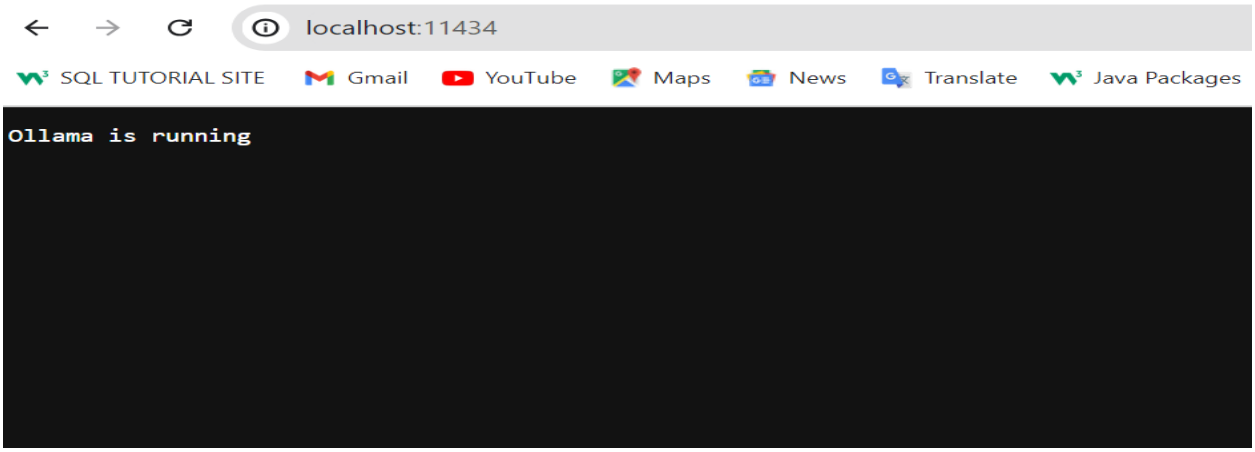
5] Once LLM is downloaded it will automatically be served on 'http://localhost:11434' (Ollama's API automatically runs in the background, serving on **http://localhost:11434**. Tools and applications can connect to it without any additional setup.)

6] To serve LLM manually, type in terminal: **ollama serve**



7] After successfully downloading your model is running. Ask any question . It will generate response below.



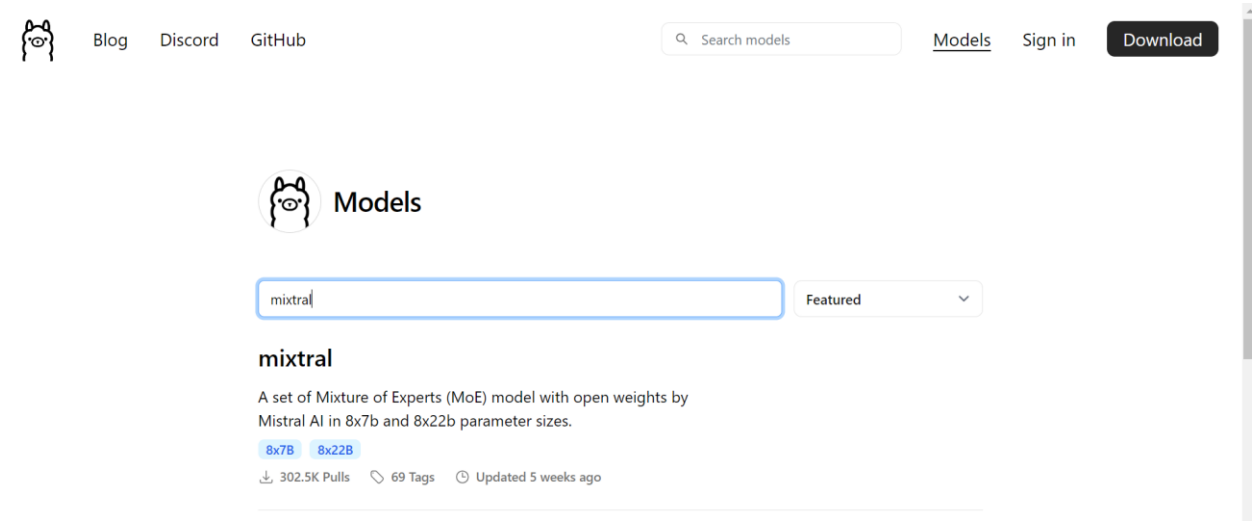


8] To exit the model click **ctrl+d**

Ollama supports numerous models from https://ollama.com/library

9] To view downloaded or manually created models, in terminal: **ollama list**

10] To download different models. Check the website. Click on Models. You can search the model of your choice.



11] Copy and paste the command in the terminal.

12] The new model will get downloaded. Once done you can pass any prompt

```
>>>
>>>
>>>
PS C:\Users\juile> ollama run mixtral
pulling manifest
pulling e9e56e8bb5f0... 100%                    26 GB
pulling 43070e2d4e53... 100%                    11 KB
pulling c43332387573... 100%                    67 B
pulling ed11eda7790d... 100%                    30 B
pulling 9dec05e9b2db... 100%                    484 B
verifying sha256 digest
writing manifest
removing any unused layers
success
>>> what is 45 divided by 3?
 When you divide 45 by 3, you get an answer of 15. This is because 3 times 15 equals 45, so 45 divided by 3 is equal to 15. You
can also use long division or a calculator to find this result.
```

13] To remove a model: **ollama rm mixtral**

```
>>>
PS C:\Users\juile> ollama run mixtral
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>>>

>>>
>>>
>>>
>>>
>>>
PS C:\Users\juile> ollama rm mixtral
deleted 'mixtral'
PS C:\Users\juile>
```

Read more about usage with Ollama Python Library (https://github.com/ollama/ollama-python)