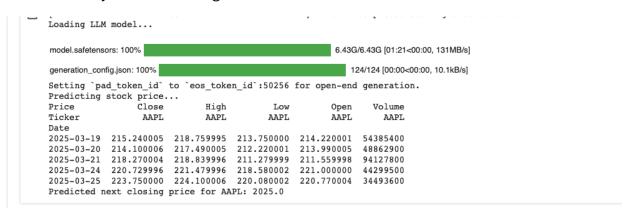
For this project I used multiple LLMs to try and predict stock specifically I used the AAPL stock ticker for easy usability as an example. I used the yfinance python library for python stock data from Yahoo Finance.

## **Problems**

- I had trouble implementing the libraries onto my machine because I use pycharm so
  I had to pivot and use google colab to use the libraries correctly. I reinstalled
  pytorch multiple times on my machine and I am still stumped as to why it did not
  work but it did end up working in Colab.
- 2. Next the original LLM I wanted to use was Meta Llama-3.3 which was protected on huggingface so I had to request access to use it.
- 3. Even utilizing GPU which I had to create a second version of my project as seen in the Git repository, the larger LLMs were still slow to load and did not work as I did not have enough GPU and hard disk space even with the pro version of google colab.
- 4. I pivoted to smaller LLMs such as ChatGPT2 which did not analyze my prompts to utilize the stock data and create a prediction for tomorrow's price and I ended up with numbers that made no sense. I uploaded as screenshot sample below of the nonsensical numbers GPT2 gave me. The price predicted is 2025 when the stock is currently in the 200s range.



For the larger LLMs such as Llama-3.3 and DeepSeekV-3 which I did try as well the CPU on the free version of colab did not suffice and I ended up purchasing the pro version of colab in hopes that the GPU on the pro version would work in colab for this project. Sadly it did not and I had to end up using ChatGPT2.0 a very basic model that was easy to load.