rslt

Open-Interpreter: AI intern

Hackathon| 13/10/2023

What are Large Language Models?

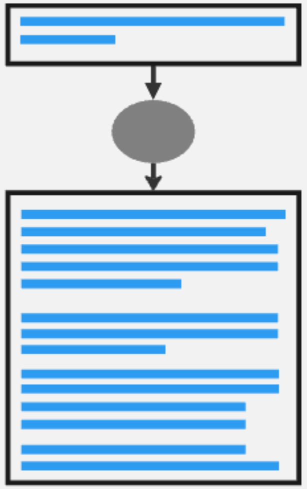
Chat-GPT and Googles Bard

Bard

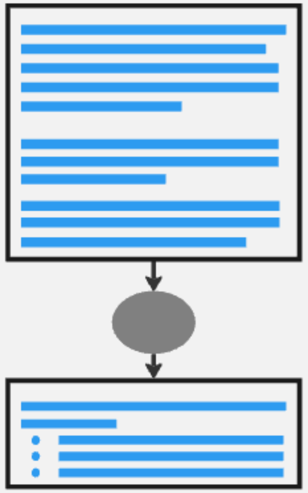
General Capabilities

What are the different types of tasks an LLM can perform?

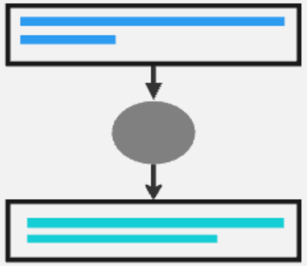
Essay Writing



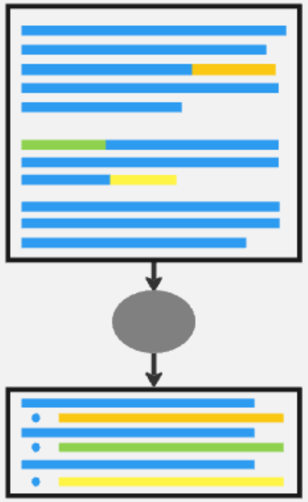
Summarization



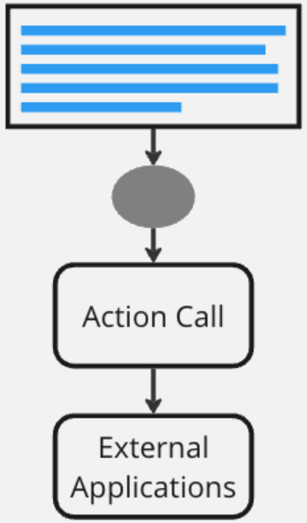
Language Translation



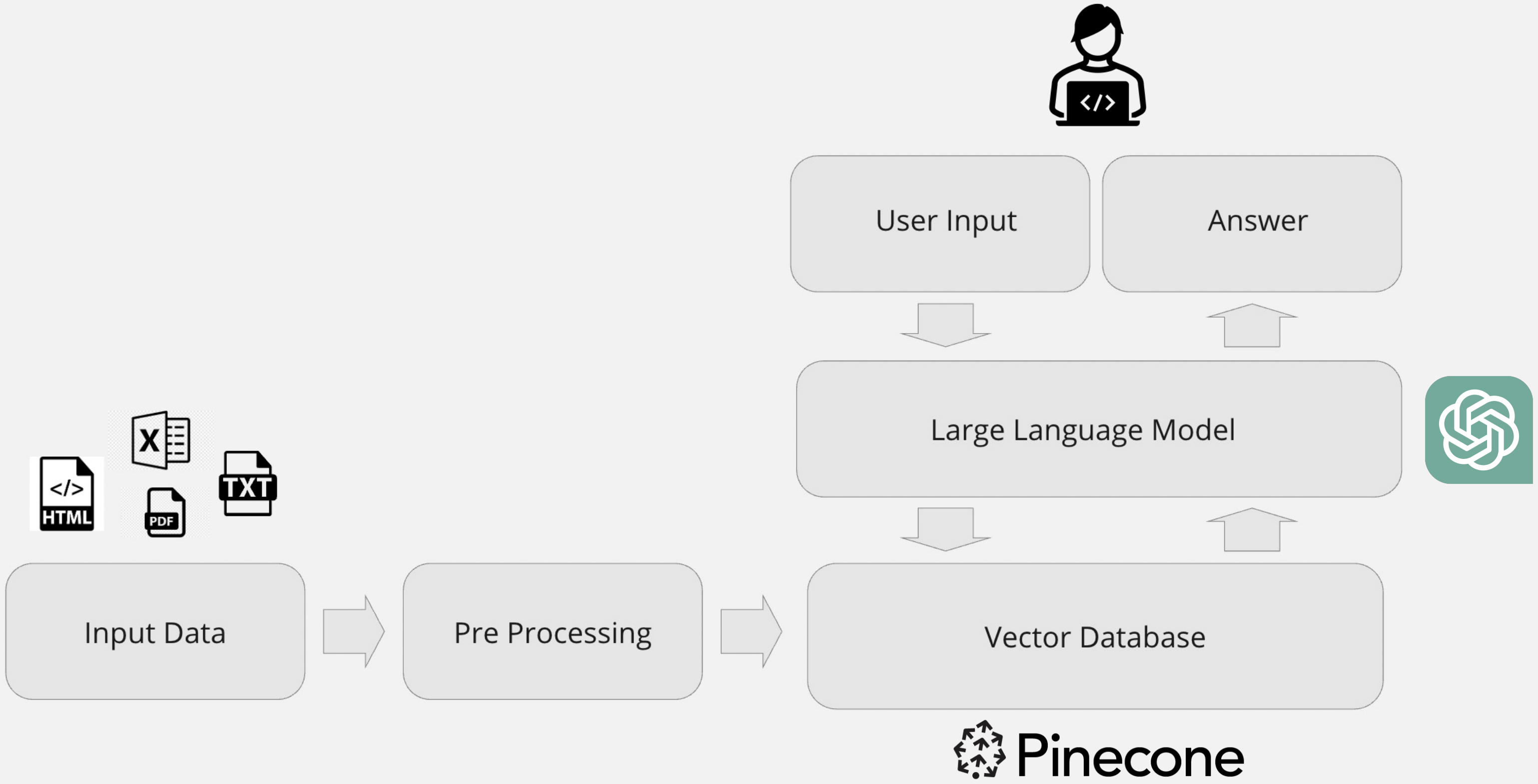
Information Retrieval



Invoke Api’s and Actions



How do LLM based applications work?



Challenges for AI Implementation

Overcoming challenges to use artifical intelligence effectively

Data Quality	Quality of Results
Complexity of the technologies	Professional Support
Cost of implementation	Recurrent value or savings
Lack of expertise	Support and guidance
Rapidly Evolving	State of the Art

Systematic Review of Artificial Intelligence in Healthcare, Link: https://www.sciencedirect.com/science/article/pii/S2444569X2300029X , Retrieved: 29.08.2023

We are here to implement and empower innovation with intelligent solutions

-RSLT , Delivering Results, Powering Progress

Meet our team

INTERDISCIPLINARY, INTERNATIONAL, INTERCONNECTED

RUBEN TAK (CEO)

ONASSIS NOTTAGE (CMO)

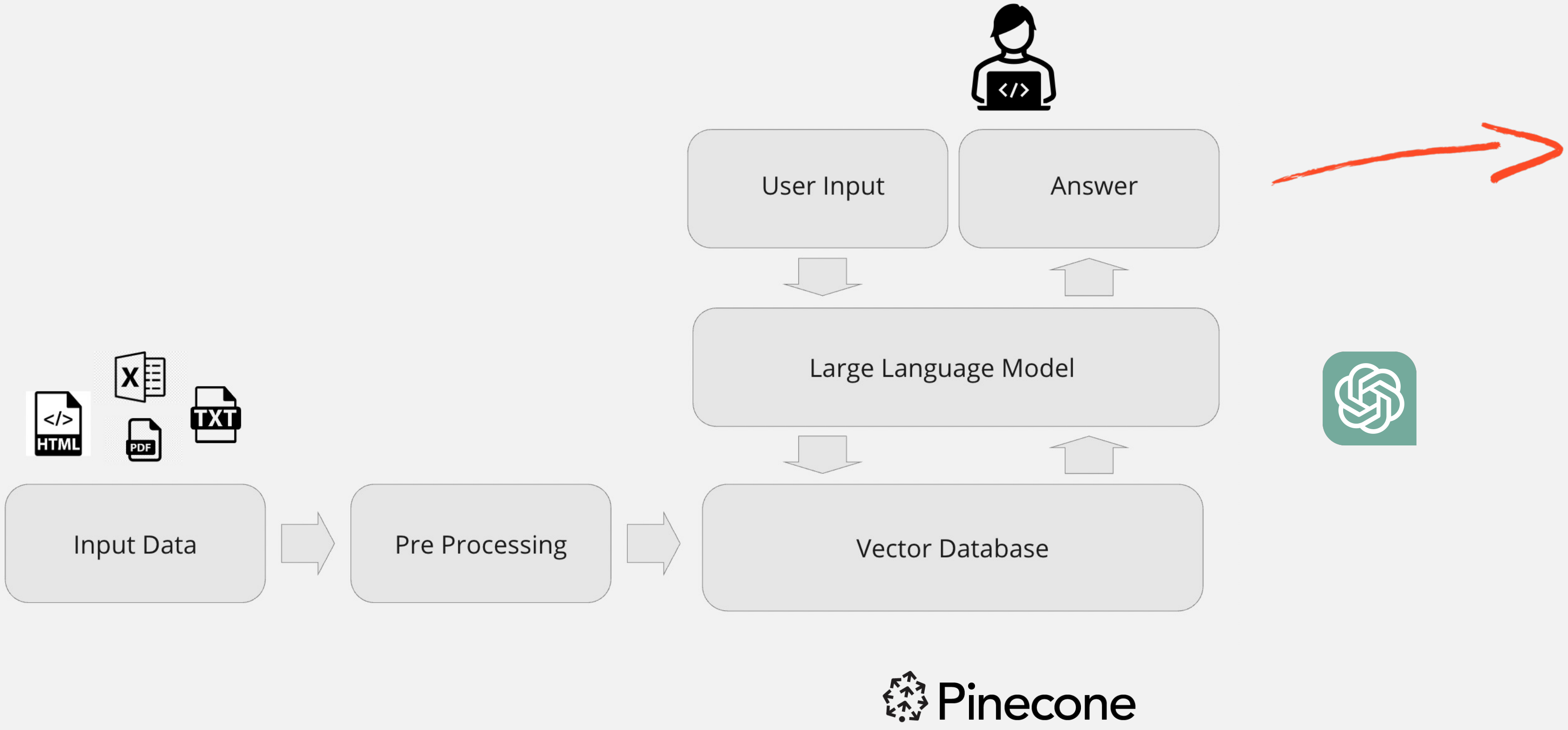
GABRIEL RENNÓ (CFO)

NILS JENNISSEN (CTO)

Open Interpreter: What can the AI intern do?

Lablab.ai hackathon

How does a Open-Interpreter applications work?



User Input

Answer

Large Language Model

Input Data

Pre Processing

Vector Database

Running code!

Capabilities Open-Interpreter

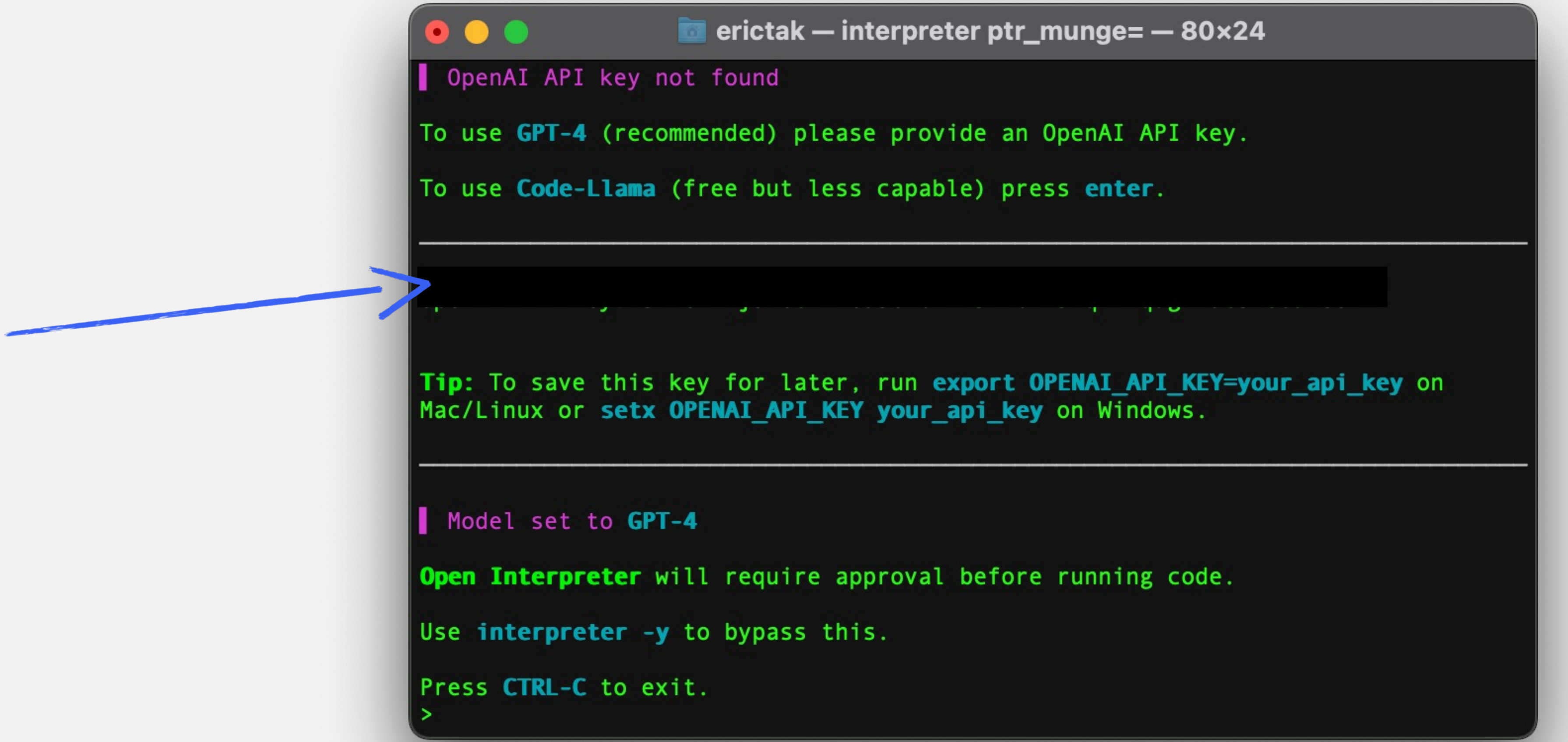
Image manipulation

Presentation maker

Full stock price analysis

Image manipulation

- With one prompt I was able to erase my API key from this image



```
▌ OpenAI API key not found

To use GPT-4 (recommended) please provide an OpenAI API key.

To use Code-Llama (free but less capable) press enter.

────────────────────────────────────────────────────────────────────────────────

[redacted]


Tip: To save this key for later, run export OPENAI_API_KEY=your_api_key on
Mac/Linux or setx OPENAI_API_KEY your_api_key on Windows.

────────────────────────────────────────────────────────────────────────────────

▌ Model set to GPT-4

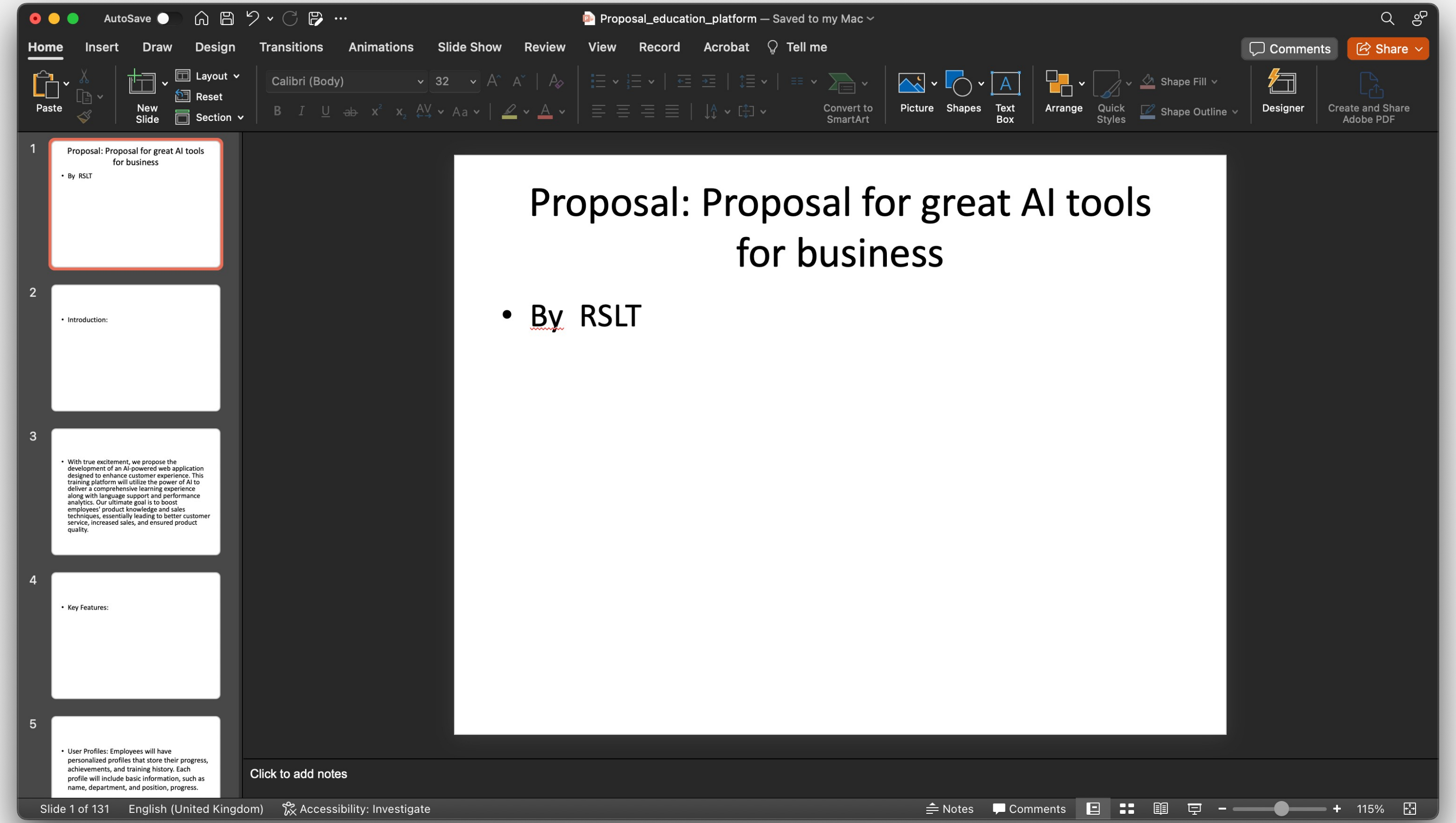
Open Interpreter will require approval before running code.

Use interpreter -y to bypass this.

Press CTRL-C to exit.
>
```

Presentation maker

I was able to convert a document into a basic presentation



Proposal: Proposal for great AI tools for business

- By RSLT

- Introduction:

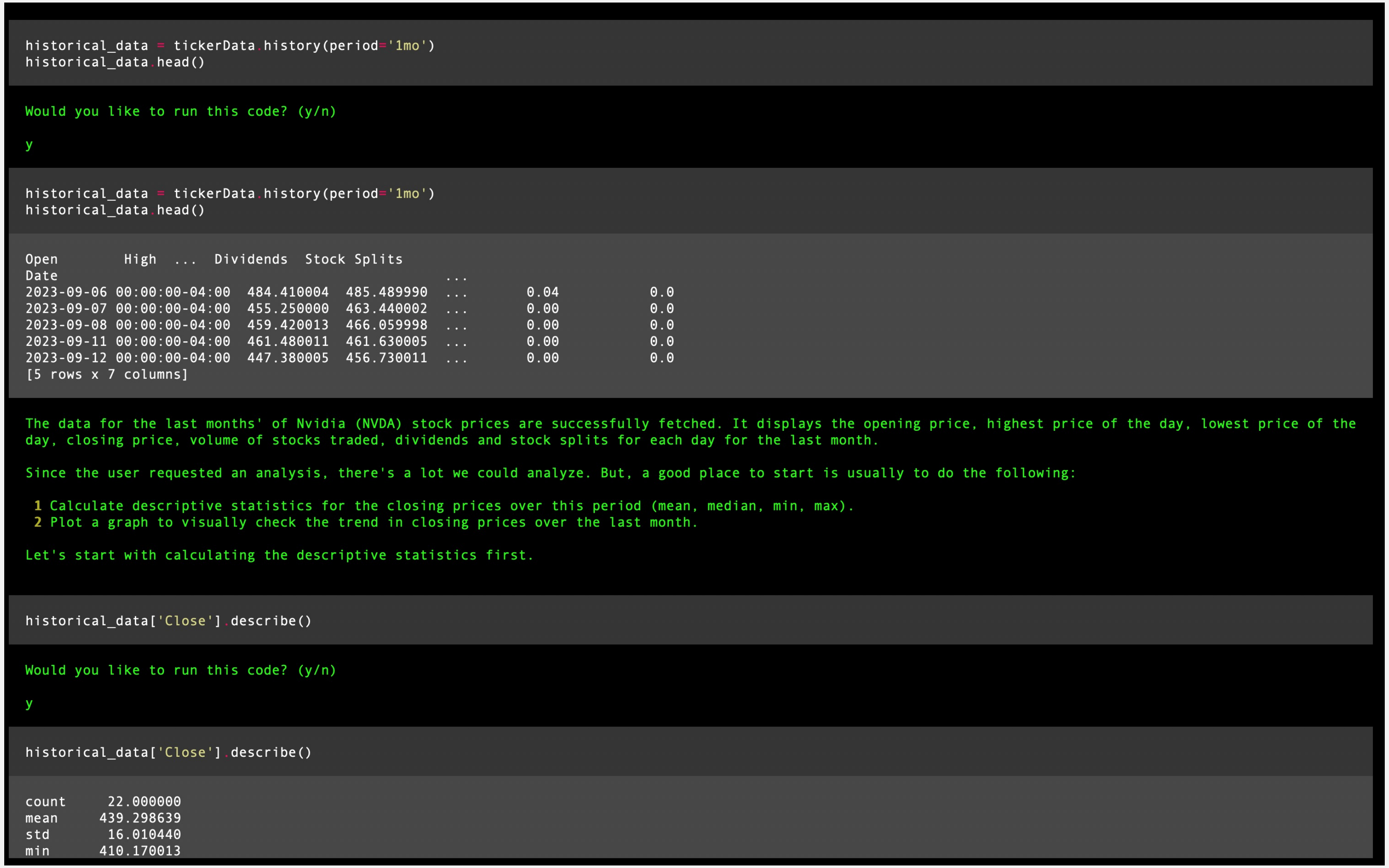
- With true excitement, we propose the development of an AI-powered web application designed to enhance customer experience. This training platform will utilize the power of AI to deliver a comprehensive learning experience along with language support and performance analytics. Our ultimate goal is to boost employees' product knowledge and sales techniques, essentially leading to better customer service, increased sales, and ensured product quality.

- Key Features:

- User Profiles: Employees will have personalized profiles that store their progress, achievements, and training history. Each profile will include basic information, such as name, department, and position, progress.

Stock price analysis

I was able to get a full stock price analysis of the Nvidia stock of the past 30 days:



```
historical_data = tickerData.history(period='1mo')
historical_data.head()

Would you like to run this code? (y/n)

y

historical_data = tickerData.history(period='1mo')
historical_data.head()

Open        High  ...  Dividends  Stock Splits
Date                                         ...
2023-09-06 00:00:00-04:00  484.410004  485.489990  ...       0.04           0.0
2023-09-07 00:00:00-04:00  455.250000  463.440002  ...       0.00           0.0
2023-09-08 00:00:00-04:00  459.420013  466.059998  ...       0.00           0.0
2023-09-11 00:00:00-04:00  461.480011  461.630005  ...       0.00           0.0
2023-09-12 00:00:00-04:00  447.380005  456.730011  ...       0.00           0.0
[5 rows x 7 columns]

The data for the last months' of Nvidia (NVDA) stock prices are successfully fetched. It displays the opening price, highest price of the day, lowest price of the
day, closing price, volume of stocks traded, dividends and stock splits for each day for the last month.

Since the user requested an analysis, there's a lot we could analyze. But, a good place to start is usually to do the following:

 1 Calculate descriptive statistics for the closing prices over this period (mean, median, min, max).
 2 Plot a graph to visually check the trend in closing prices over the last month.

Let's start with calculating the descriptive statistics first.

historical_data['Close'].describe()

Would you like to run this code? (y/n)

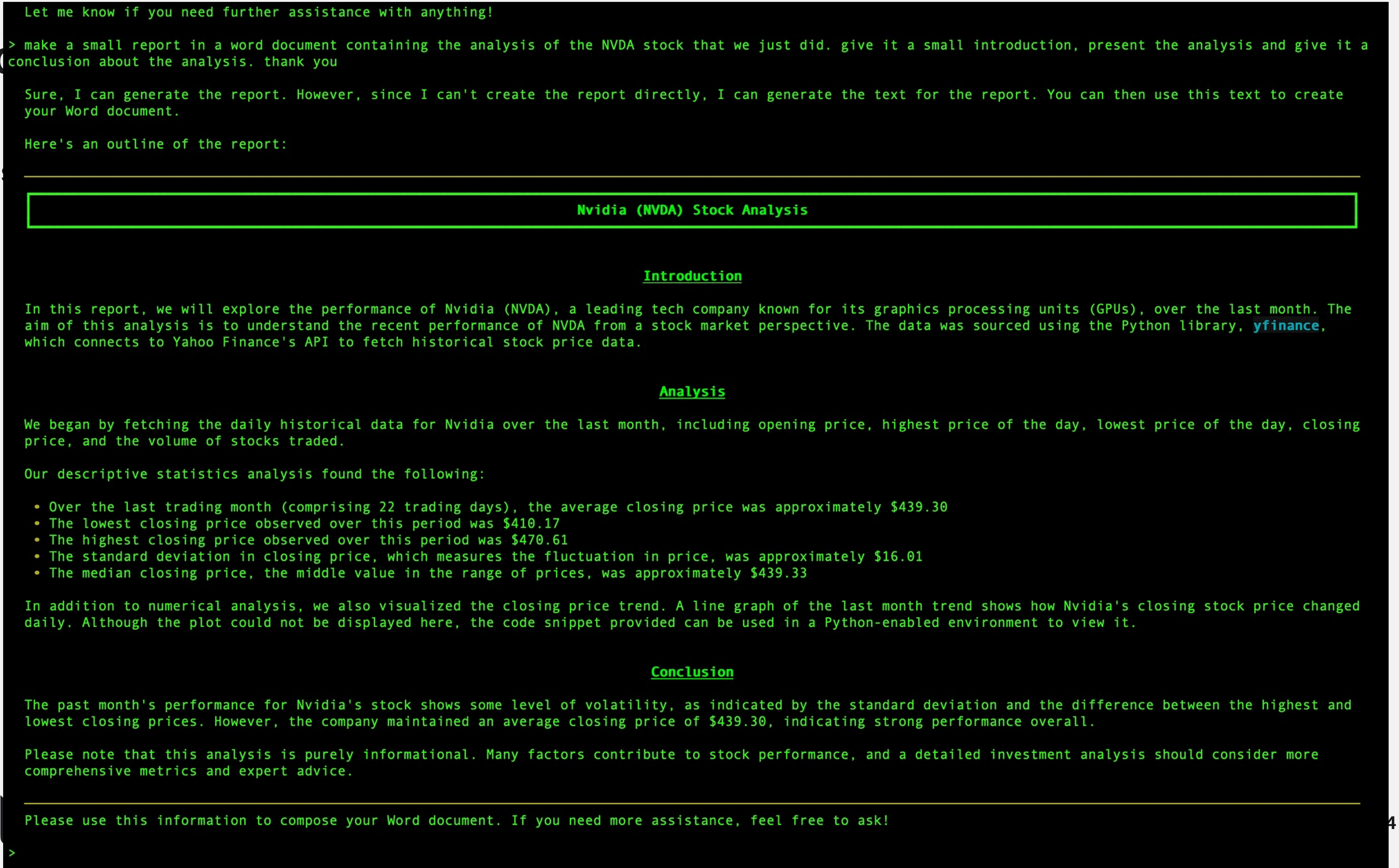
y

historical_data['Close'].describe()

count     22.000000
mean     439.298639
std       16.010440
min      410.170013
```

Sto

I was



```
 Let me know if you need further assistance with anything!

> make a small report in a word document containing the analysis of the NVDA stock that we just did. give it a small introduction, present the analysis and give it a
conclusion about the analysis. thank you

 Sure, I can generate the report. However, since I can't create the report directly, I can generate the text for the report. You can then use this text to create
 your Word document.

 Here's an outline of the report:

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 ┃                                                           Nvidia (NVDA) Stock Analysis                                                                   ┃
 ┗━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━┛


                                                                   Introduction

 In this report, we will explore the performance of Nvidia (NVDA), a leading tech company known for its graphics processing units (GPUs), over the last month. The
 aim of this analysis is to understand the recent performance of NVDA from a stock market perspective. The data was sourced using the Python library, yfinance,
 which connects to Yahoo Finance's API to fetch historical stock price data.


                                                                     Analysis

 We began by fetching the daily historical data for Nvidia over the last month, including opening price, highest price of the day, lowest price of the day, closing
 price, and the volume of stocks traded.

 Our descriptive statistics analysis found the following:

  • Over the last trading month (comprising 22 trading days), the average closing price was approximately $439.30
  • The lowest closing price observed over this period was $410.17
  • The highest closing price observed over this period was $470.61
  • The standard deviation in closing price, which measures the fluctuation in price, was approximately $16.01
  • The median closing price, the middle value in the range of prices, was approximately $439.33

 In addition to numerical analysis, we also visualized the closing price trend. A line graph of the last month trend shows how Nvidia's closing stock price changed
 daily. Although the plot could not be displayed here, the code snippet provided can be used in a Python-enabled environment to view it.


                                                                    Conclusion

 The past month's performance for Nvidia's stock shows some level of volatility, as indicated by the standard deviation and the difference between the highest and
 lowest closing prices. However, the company maintained an average closing price of $439.30, indicating strong performance overall.

 Please note that this analysis is purely informational. Many factors contribute to stock performance, and a detailed investment analysis should consider more
 comprehensive metrics and expert advice.

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 Please use this information to compose your Word document. If you need more assistance, feel free to ask!

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Thank you!