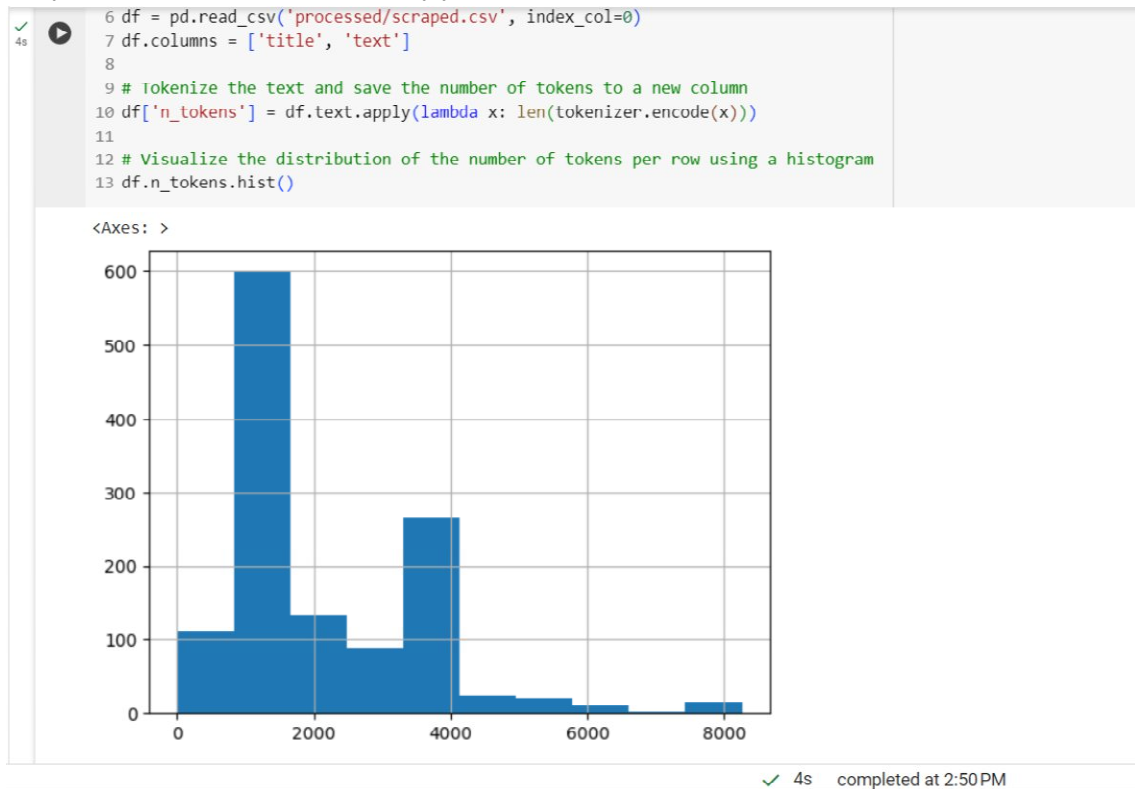
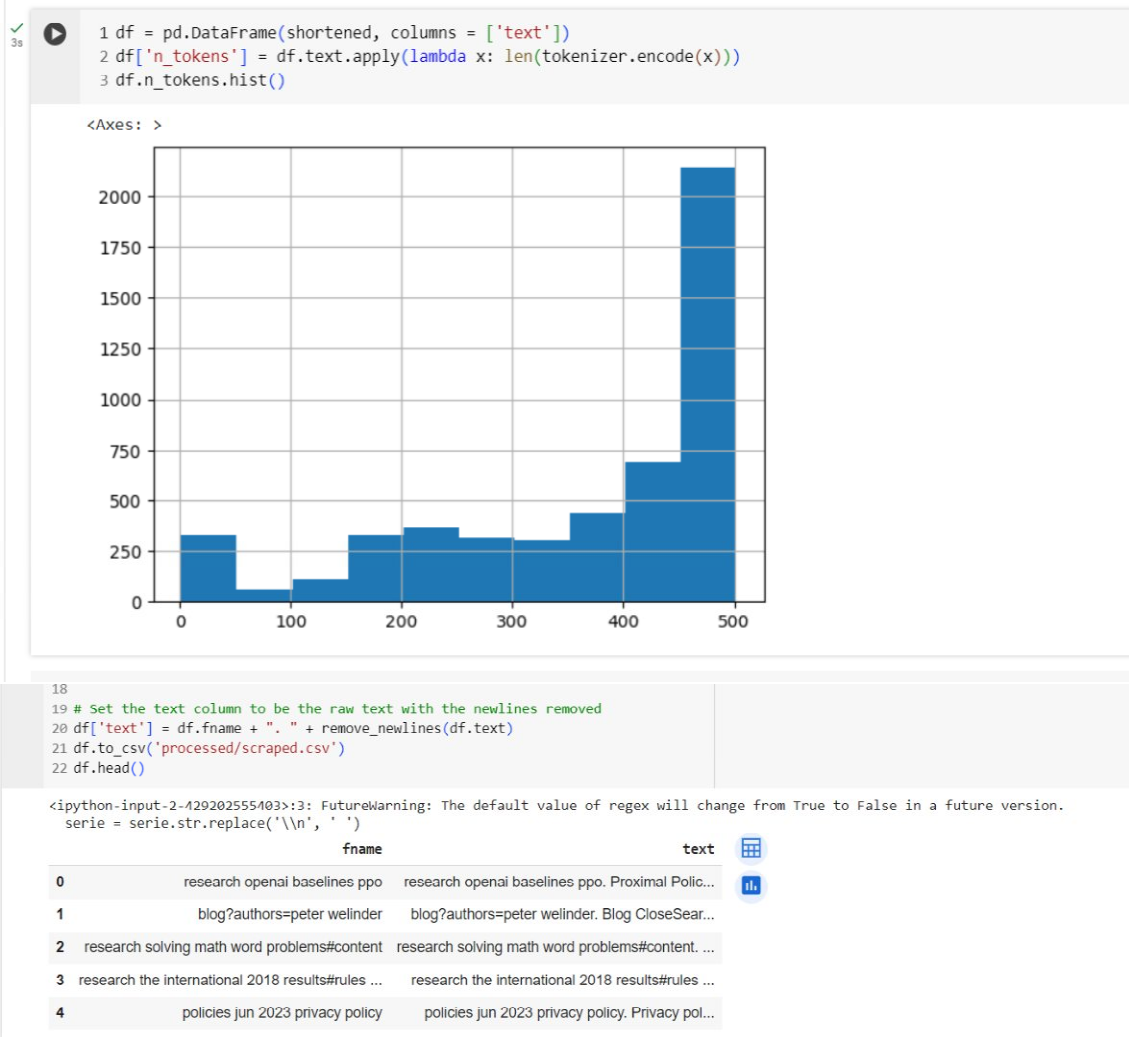


## Week 2 Homework 1: ChatGPT project: Customer Support System: Use ChatGPT to build a web-based system that can answer questions about a website.

- Step 1.1: Command Line Solution

Step 1.1.1: Make it work on Jupyter Notebook.





Running each block of code gives output as above.  
The final output which answers the question looks like:

```
[20] 1 answer_question(df, question="What day is it?", debug=False)
```

'I don't know'

```
1 answer_question(df, question="What is OpenAI?")
```

'OpenAI is a research organization focused on creating safe and beneficial artificial intelligence.'

Step 1.1.2: Make it work on Command Line.  
Install the requirements before running the code:  
**pip install -r requirements.txt**

```
(chatgpt) savitha07@LAPTOP-G4J2LEEG:~/web-crawl-q-and-a-example$ python web-qa.py
https://openai.com/
https://openai.com/pricing
https://openai.com/api/pricing/#quotas
https://openai.com/customer-stories/morgan-stanley
https://openai.com/customer-stories/morgan-stanley#content
https://openai.com/customer-stories?topics-language
/home/savitha07/web-crawl-q-and-a-example/web-qa.py:197: FutureWarning: The default value of regex will change from True to False in a future version.
  serie = serie.str.replace('\n', ' ')
I don't know.
ChatGPT is a customizable AI tool that can assist with various tasks and provide information and creative inspiration.
(chatgpt) savitha07@LAPTOP-G4J2LEEG:~/web-crawl-q-and-a-example$
```

- Step 1.2: Web-based Solution (Python Flask webserver)

Install Flask if not available:

**pip install flask**

Execute the code using the command:

**flask run**

The command line looks like:

```
(chatgpt) savitha07@LAPTOP-G4J2LEEG:~/Python$ flask run
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - [31/Jan/2024 17:26:16] "GET / HTTP/1.1" 200 -
127.0.0.1 - [31/Jan/2024 17:26:17] "GET /static/main.css HTTP/1.1" 200 -
127.0.0.1 - [31/Jan/2024 17:26:17] "GET /favicon.ico HTTP/1.1" 404 -
Question from user: What is OpenAI
127.0.0.1 - [31/Jan/2024 17:26:33] "POST / HTTP/1.1" 302 -
127.0.0.1 - [31/Jan/2024 17:26:33] "GET /?result=OpenAI+is+an+artificial+intelligence+research+organization+that+focuses+on+developing+safe+and+beneficial+AI+for+all+o
+humanity.+They+also+have+an+Preparedness+team+that+works+on+identifying+and+mitigating+potential+risks+associated+with+highly+capable+AI+systems. HTTP/1.1" 200 -
127.0.0.1 - [31/Jan/2024 17:26:33] "GET /static/main.css HTTP/1.1" 304 -
Question from user: What is ChatGPT
127.0.0.1 - [31/Jan/2024 17:26:49] "POST / HTTP/1.1" 302 -
127.0.0.1 - [31/Jan/2024 17:26:49] "GET /?result=ChatGPT+is+a+product+offered+by+OpenAI+that+provides+an+API+platform+for+their+latest+models+and+guides+for+safety+bes
+tpactices. HTTP/1.1" 200 -
127.0.0.1 - [31/Jan/2024 17:26:49] "GET /static/main.css HTTP/1.1" 304 -
```

The output looks like:

127.0.0.1:5000/?result=ChatGPT+is+a+product+offered+by+OpenAI+that+provides+an+API+platform+for+their+latest+models+and+guides+for+safety+best+practices.

## OpenAI Agent

Ask any question about OpenAI

Enter your question here

Get answer

ChatGPT is a product offered by OpenAI that provides an API platform for their latest models and guides for safety best practices.

**GITHUB LINK:**

<https://github.com/savithashreem07/Customer-Support-System>

**GOOGLE SLIDE LINK:**

[https://docs.google.com/presentation/d/1hUEtQbkckUqJbT\\_ZszQRvb8tpm-OkFivpZ\\_E0xcgPfA/edit?usp=sharing](https://docs.google.com/presentation/d/1hUEtQbkckUqJbT_ZszQRvb8tpm-OkFivpZ_E0xcgPfA/edit?usp=sharing)