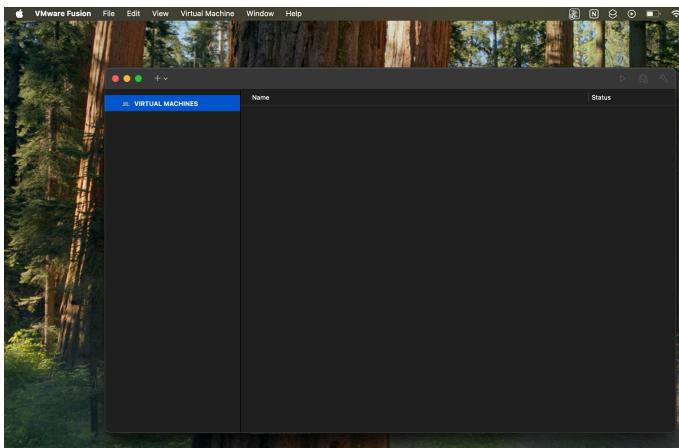
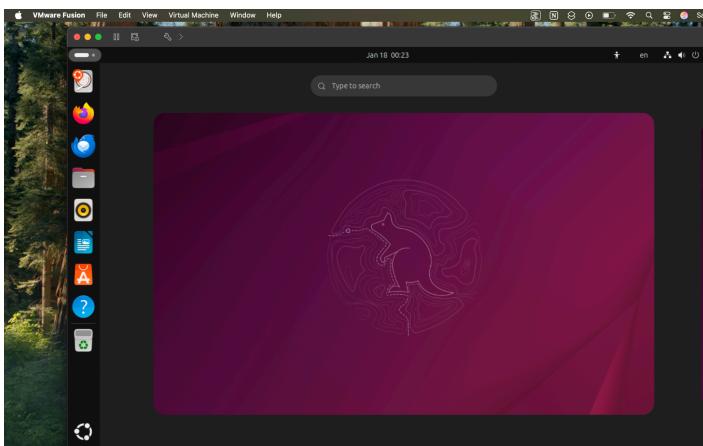


Jordan Davies, ID: 1857892197

1. Installation and Setup



VMware Fusion has been installed



Ubuntu has been installed on VMware Fusion

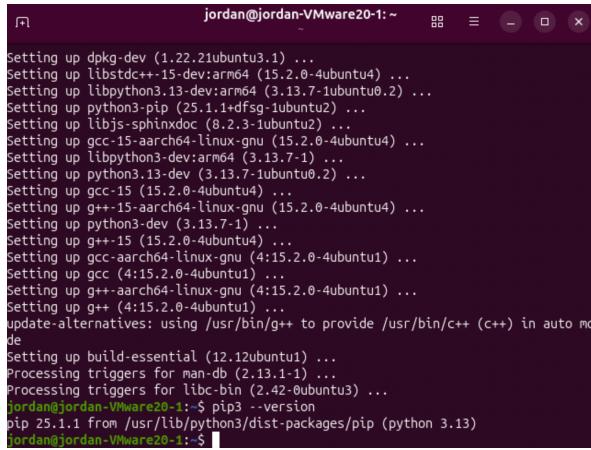
```
jordan@jordan-VMware20-1:~
```

Error: Unable to lock directory /var/lib/apt/lists/
jordan@jordan-VMware20-1:~\$ ^C
jordan@jordan-VMware20-1:~\$ sudo apt update
Hit:1 http://ports.ubuntu.com/ubuntu-ports questing InRelease
Hit:2 http://ports.ubuntu.com/ubuntu-ports questing-updates InRelease
Hit:3 http://ports.ubuntu.com/ubuntu-ports questing-backports InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports questing-security InRelease
All packages are up to date.
jordan@jordan-VMware20-1:~\$ sudo apt install python3
python3 is already the newest version (3.13.7-1).
python3 set to manually installed.
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 0
jordan@jordan-VMware20-1:~\$ python3 --version
Python 3.13.7
jordan@jordan-VMware20-1:~\$ sudo apt install python3-pip
Installing:
 python3-pip

Installing dependencies:
 build-essential libalgorithm-diff-xs-perl liblsan0
 bzip2 libalgorithm-merge-perl libpython3-dev
 dpkg-dev libasan8 libpython3.13-dev
 fakeroot libbcc1-0 libstdc++-15-dev

Updating packages list, ensuring python3 is installed, and updating pip

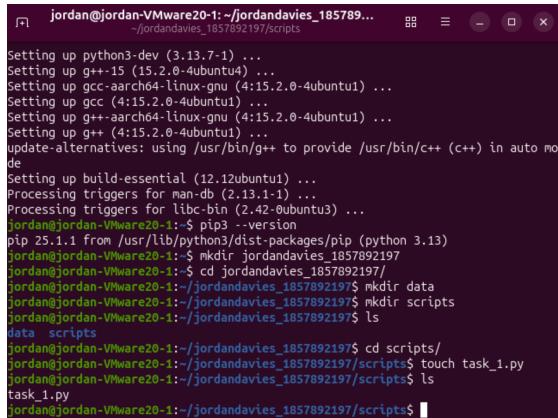
Jordan Davies, ID: 1857892197



```
jordan@jordan-VMware20-1:~ Setting up dpkg-dev (1.22.21ubuntu3.1) ... Setting up libstdc++-15-dev:arm64 (15.2.0-4ubuntu4) ... Setting up libpython3.13-dev:arm64 (3.13.7-1ubuntu0.2) ... Setting up python3-pip (25.1.1+dfsg-1ubuntu2) ... Setting up libjs-sphinxdoc (8.2.3-1ubuntu2) ... Setting up gcc-15-arch64-linux-gnu (15.2.0-4ubuntu4) ... Setting up libpython3-dev:arm64 (3.13.7-1) ... Setting up python3.13-dev (3.13.7-1ubuntu0.2) ... Setting up gcc-15 (15.2.0-4ubuntu4) ... Setting up g++-15-arch64-linux-gnu (15.2.0-4ubuntu4) ... Setting up python3-dev (3.13.7-1) ... Setting up g++-15 (15.2.0-4ubuntu4) ... Setting up g++-15-arch64-linux-gnu (4:15.2.0-4ubuntu1) ... Setting up gcc (4:15.2.0-4ubuntu1) ... Setting up g++-arch64-linux-gnu (4:15.2.0-4ubuntu1) ... Setting up g++ (4:15.2.0-4ubuntu1) ... update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode Setting up build-essential (12.12ubuntu1) ... Processing triggers for man-db (2.13.1-1) ... Processing triggers for libc-bin (2.42-0ubuntu3) ... jordan@jordan-VMware20-1:~$ pip3 --version pip 25.1.1 from /usr/lib/python3/dist-packages/pip (python 3.13) jordan@jordan-VMware20-1:~$
```

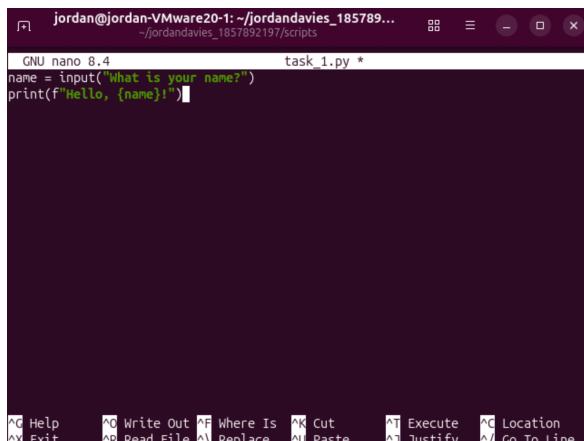
Ensuring pip has been installed

2. Get Familiar with Linux and Python



```
jordan@jordan-VMware20-1:~/jordandavies_185789... Setting up python3-dev (3.13.7-1) ... Setting up g++-15 (15.2.0-4ubuntu4) ... Setting up gcc-arch64-linux-gnu (4:15.2.0-4ubuntu1) ... Setting up gcc (4:15.2.0-4ubuntu1) ... Setting up g++-arch64-linux-gnu (4:15.2.0-4ubuntu1) ... Setting up g++ (4:15.2.0-4ubuntu1) ... update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode Setting up build-essential (12.12ubuntu1) ... Processing triggers for man-db (2.13.1-1) ... Processing triggers for libc-bin (2.42-0ubuntu3) ... jordan@jordan-VMware20-1:~$ pip3 --version pip 25.1.1 from /usr/lib/python3/dist-packages/pip (python 3.13) jordan@jordan-VMware20-1:~$ mkdir jordandavies_1857892197 jordan@jordan-VMware20-1:~$ cd jordandavies_1857892197/ jordan@jordan-VMware20-1:~/jordandavies_1857892197$ mkdir data jordan@jordan-VMware20-1:~/jordandavies_1857892197$ mkdir scripts jordan@jordan-VMware20-1:~/jordandavies_1857892197$ ls data scripts jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts/ jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ touch task_1.py jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ ls task_1.py jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$
```

Directory and subdirectories created, task_1.py created

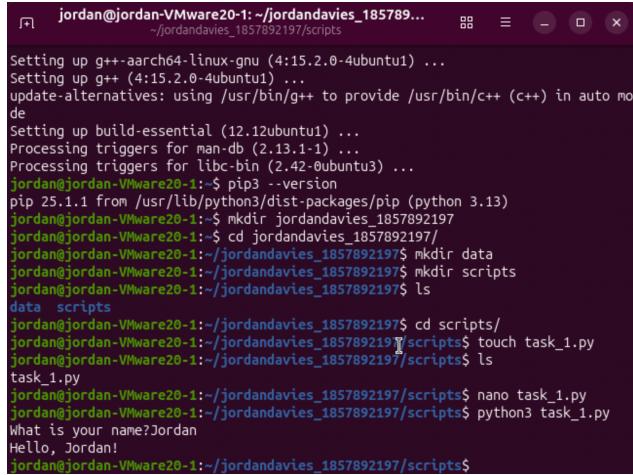


```
GNU nano 8.4          task_1.py *
name = input("What is your name?")
print(f"Hello, {name}!")

FG Help   C Write Out  F Where Is  M Cut   E Execute  C Location
PX Exit   R Read File  ^ Replace  V Paste   J Justify  G Go To Line
```

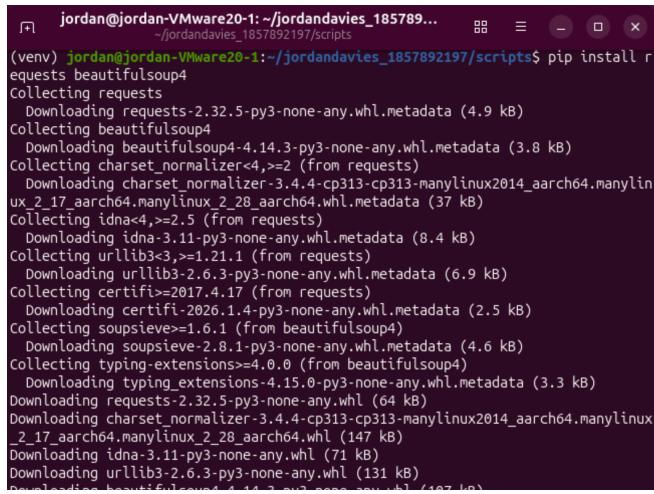
Created the basic python script

Jordan Davies, ID: 1857892197



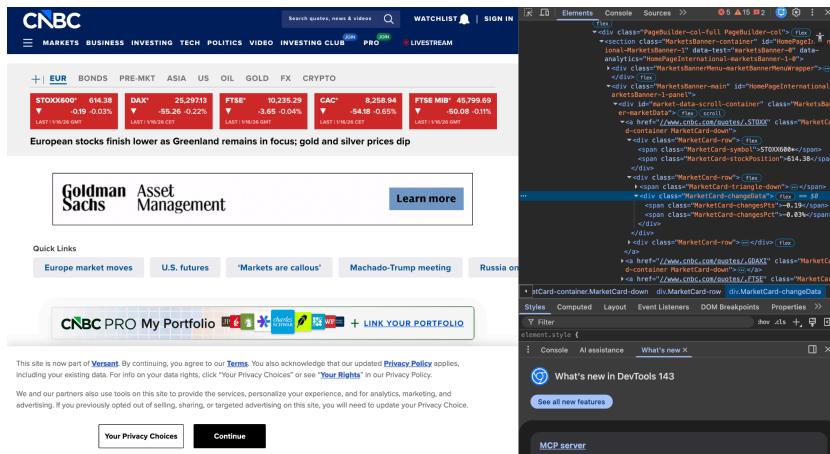
```
jordan@jordan-VirtualBox: ~/jordandavies_1857892197/scripts
Setting up g++-aarch64-linux-gnu (4:15.2.0-4ubuntu1) ...
Setting up g++ (4:15.2.0-4ubuntu1) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.12ubuntu1) ...
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for libc-bin (2.42-0ubuntu3) ...
jordan@jordan-VirtualBox: ~$ pip3 --version
pip 25.1.1 from /usr/lib/python3/dist-packages/pip (python 3.13)
jordan@jordan-VirtualBox: ~$ mkdir jordandavies_1857892197
jordan@jordan-VirtualBox: ~$ cd jordandavies_1857892197/
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ mkdir data
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ mkdir scripts
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ ls
data scripts
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ cd scripts/
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ touch task_1.py
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ ls
task_1.py
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ nano task_1.py
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ python3 task_1.py
What is your name?Jordan
Hello, Jordan!
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$
```

Running task_1.py



```
jordan@jordan-VirtualBox: ~/jordandavies_1857892197$ pip install requests beautifulsoup4
Collecting requests
  Downloading requests-2.32.5-py3-none-any.whl.metadata (4.9 kB)
Collecting beautifulsoup4
  Downloading beautifulsoup4-4.14.3-py3-none-any.whl.metadata (3.8 kB)
Collecting charset_normalizer<4,>=2 (from requests)
  Downloading charset_normalizer-3.4.4-cp313-cp313-manylinux2014_aarch64.manylinux_2_17_aarch64_manylinux_2_28_aarch64.whl.metadata (37 kB)
Collecting idna<4,>=2.5 (from requests)
  Downloading idna-3.11-py3-none-any.whl.metadata (8.4 kB)
Collecting urllib3<3,>=1.21.1 (from requests)
  Downloading urllib3-2.6.3-py3-none-any.whl.metadata (6.9 kB)
Collecting certifi=>2017.4.17 (from requests)
  Downloading certifi-2026.1.4-py3-none-any.whl.metadata (2.5 kB)
Collecting soupsieve=>1.6.1 (from beautifulsoup4)
  Downloading soupsieve-2.8.1-py3-none-any.whl.metadata (4.6 kB)
Collecting typing_extensions=>4.0.0 (from beautifulsoup4)
  Downloading typing_extensions-4.15.0-py3-none-any.whl.metadata (3.3 kB)
Collecting requests<2.32.5-py3-none-any.whl (64 kB)
Collecting charset_normalizer-3.4.4-cp313-cp313-manylinux2014_aarch64.manylinux_2_17_aarch64_manylinux_2_28_aarch64.whl (147 kB)
Collecting idna-3.11-py3-none-any.whl (71 kB)
Collecting urllib3-2.6.3-py3-none-any.whl (131 kB)
Collecting beautifulsoup4-1.14.2-py3-none-any.whl (107 kB)
```

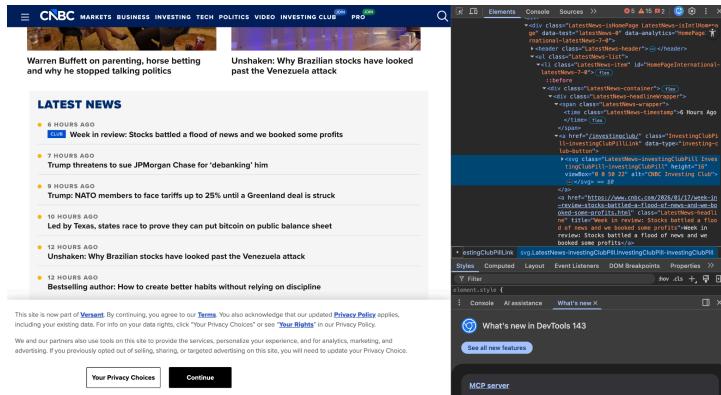
Installing requests and beautifulsoup4



The screenshot shows the CNBC homepage. At the top, there's a navigation bar with links like MARKETS, BUSINESS, INVESTING, TECH, POLITICS, VIDEO, INVESTING CLUB, PRO, and LIVESTREAM. Below the navigation is a large market summary section with indices like S&P 500, Nasdaq, Dow Jones, and Nasdaq Composite. A prominent banner at the top right displays the text "European stocks finish lower as Greenland remains in focus; gold and silver prices dip". The developer tools (Elements tab) are open over the page, highlighting the HTML structure of the market banner. The banner includes a grid of market cards for various indices and regions.

Market banner section identified

Jordan Davies, ID: 1857892197



LATEST NEWS

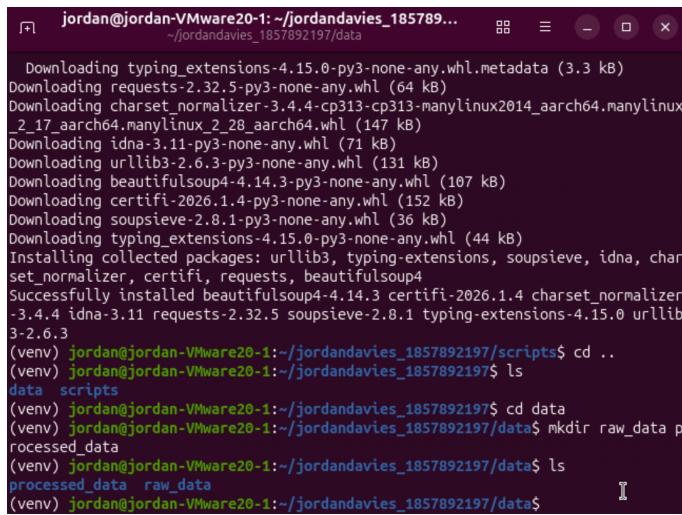
- 1 HOURS AGO Week in review: Stocks battled a flood of news and we booked some profits
- 7 HOURS AGO Trump threatens to sue JPMorgan Chase for 'debunking' him
- 9 HOURS AGO Trump: NATO members to face tariffs up to 25% until a Greenland deal is struck
- 10 HOURS AGO Led by Texas, states race to prove they can put bitcoin on public balance sheet
- 11 HOURS AGO Unshaken: Why Brazilian stocks have looked past the Venezuela attack
- 12 HOURS AGO Bestselling author: How to create better habits without relying on discipline

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We and our partners also use tools on this site to provide the services, personalize your experience, and for analytics, marketing, and advertising. If you previously opted out of selling, sharing, or targeted advertising on this site, you will need to update your [Privacy Choices](#).

Your Privacy Choices Continue

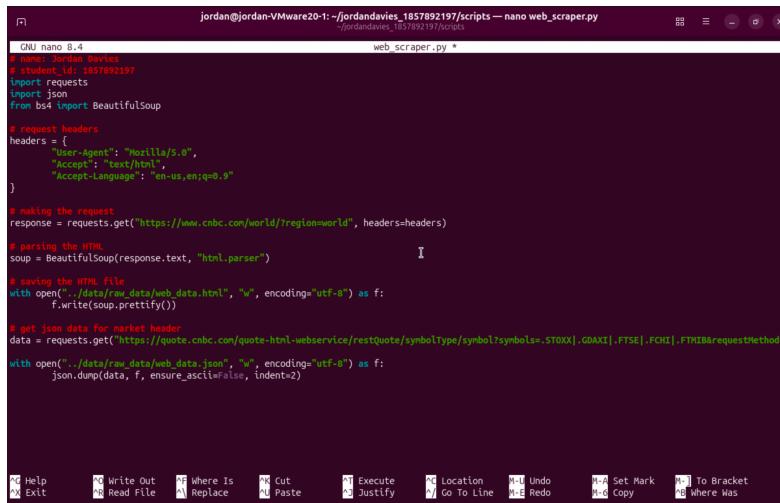
Latest news section identified



```
jordan@jordan-VMware20-1:~/jordandavies_185789... ~
```

```
Downloading typing_extensions-4.15.0-py3-none-any.whl.metadata (3.3 kB)
Downloading requests-2.32.5-py3-none-any.whl (64 kB)
Downloading charset_normalizer-3.4.4-cp313-cp313-manylinux2014_aarch64_manylinux
_2_17_aarch64_manylinux_2_28_aarch64.whl (147 kB)
Downloading idna-3.11-py3-none-any.whl (71 kB)
Downloading urllib3-2.6.3-py3-none-any.whl (131 kB)
Downloading beautifulsoup4-4.14.3-py3-none-any.whl (107 kB)
Downloading certifi-2026.1.4-py3-none-any.whl (152 kB)
Downloading soupsieve-2.8.1-py3-none-any.whl (36 kB)
Downloading typing_extensions-4.15.0-py3-none-any.whl (44 kB)
Installing collected packages: urllib3, typing-extensions, soupsieve, idna, char
set_normalizer, certifi, requests, beautifulsoup4
Successfully installed beautifulsoup4-4.14.3 certifi-2026.1.4 charset_normalizer
-3.4.4 idna-3.11 requests-2.32.5 soupsieve-2.8.1 typing-extensions-4.15.0 urllib
3-2.6.3
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ ls
data scripts
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ mkdir raw_data p
rocessed_data
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ ls
processed_data raw_data
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$
```

New data directories created



```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts — nano web_scraper.py
```

```
GNU nano 8.4
# name: Jordan Davies
# id: 1857892197
import requests
import json
from bs4 import BeautifulSoup

# request headers
headers = {
    "User-Agent": "Mozilla/5.0",
    "Accept": "text/html",
    "Accept-Language": "en-us,en;q=0.9"
}

# making the request
response = requests.get("https://www.cnbc.com/world/?regionworld", headers=headers)

# parsing the HTML
soup = BeautifulSoup(response.text, "html.parser")

# saving the HTML file
with open("./data/raw_data/web_data.html", "w", encoding="utf-8") as f:
    f.write(soup.pretty())

# get json data for market header
data = requests.get("https://quote.cnbc.com/quote-html-webservices/restquote/symbolType/symbol?symbol=s:STOXX|GDAXI|FTSE|FTMIBAResultMethod")
with open("./data/raw_data/web_data.json", "w", encoding="utf-8") as f:
    json.dump(data, f, ensure_ascii=False, indent=2)
```

Help Exit Write Out Read File Where Is Replace Cut Execute Justify Location Go To Line Undo Set Mark Copy To Bracket

Jordan Davies, ID: 1857892197

When writing web_scraped.py, I found that all the data for the market header was not stored in the raw HTML, but instead had to be pulled from an endpoint, which I made a request to and saved that data as a JSON file

```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data
~/jordandavies_1857892197/data/raw_data

task_1.py venv web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ nano web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ python3 web_scraped.py

(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.html
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts/
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ ls
task_1.py venv web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ nano web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ python3 web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data/
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.html
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ nano web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data/
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ cd raw_data$ head -n 10 web_data.html
<!DOCTYPE html>
<html itemscope="" itemtype="https://schema.org/WebPage" lang="en" prefix="og:https://ogp.me/ns#">
<head>
<meta content="website" property="og:type"/>
<meta content="International: Top News And Analysis" property="og:title"/>
<meta content="CNBC International is the world leader for news on business, technology, China, trade, oil prices, the Middle East and markets." property="og:description"/>
<meta content="https://www.cnbc.com/world/" property="og:url"/>
<meta content="CNBC" property="og:site_name"/>
<meta content="max-image-preview:large" name="robots"/>
<meta content="telephone=no" name="format-detection"/>
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ ls
```

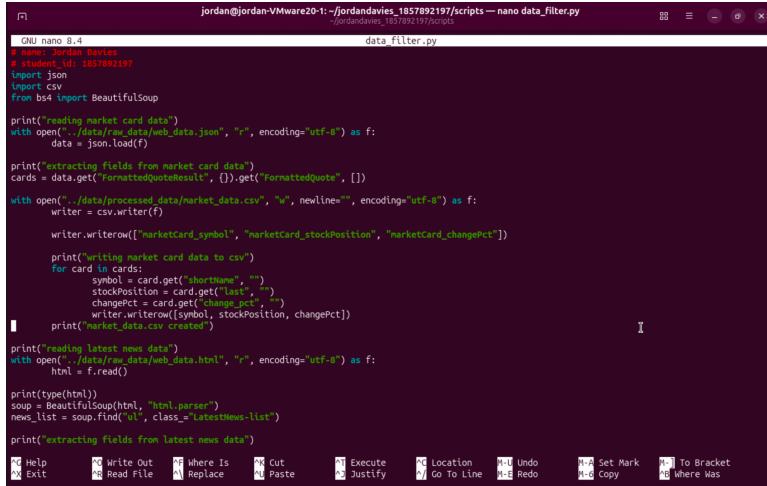
Printed first 10 lines of web_data.html

```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data
~/jordandavies_1857892197/data/raw_data

(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ ls
web_data.html web_data.json
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.json
Command 'non' not found, did you mean:
  command 'no3' from snap nitrate (0.0.0)
  command 'nn' from deb nn (6.7.3-16)
  command 'nop' from deb graphviz (2.42.4-3build2)
  command 'nox' from deb nox (2024.04.15-3)
  command 'nona' from deb hugin-tools (2024.0.1+dfsg-1build3)
  command 'nmon' from deb nmon (16q+debian-1build1)
  command 'pon' from deb ppp (2.5.2-1+1.1)
  command 'nnn' from deb nnn (5.0-1)
  command 'mon' from deb mon (1.4.1-2)
  command 'non' from deb nom (0.1.5-7)
See 'snap info <snapname>' for additional versions.
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.html
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.json
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts/
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ nano web_scraped.py
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data
(jenv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ head -n 10 web_data.json
{
  "FormattedQuoteResult": [
    "FormattedQuote": [
      {
        "symbol": ".STOXX",
        "symbolType": "symbol",
        "code": 8,
        "name": "STOXX Europe 600",
        "shortName": "STOXX600",
        "onAirName": "STOXX Europe 600",
        "venv": jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$
```

Printed first 10 lines of web_data.json

Jordan Davies, ID: 1857892197



```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts -- nano data_filter.py
GNU nano 8.4
# name: Jordan Davies
# student_id: 1857892197
# purpose: python
# export to CSV
from bs4 import BeautifulSoup

print("reading market card data")
with open("./data/raw_data/web_data.json", "r", encoding="utf-8") as f:
    data = json.load(f)

print("extracting fields from market card data")
cards = data.get("FormattedQuoteResult", {}).get("FormattedQuotes", [])
with open("./data/processed_data/market_data.csv", "w", newline="", encoding="utf-8") as f:
    writer = csv.writer(f)
    writer.writerow(["marketCard_symbol", "marketCard_stockPosition", "marketCard_changePct"])

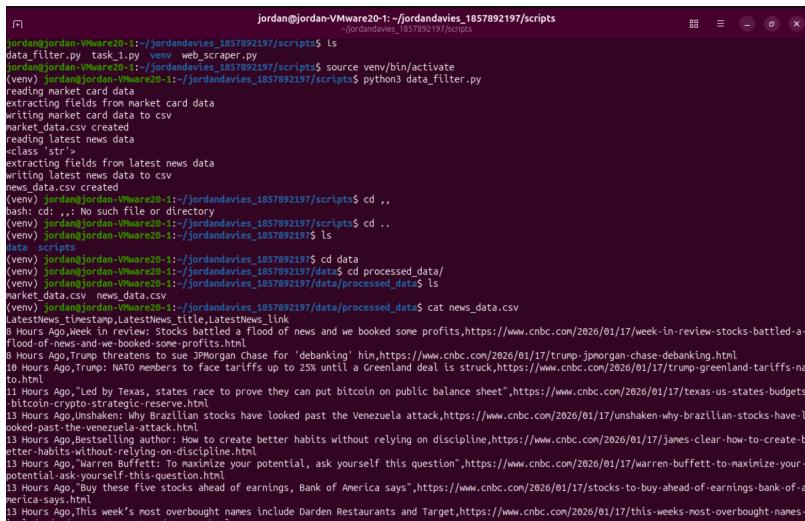
    print("writing market card data to csv")
    for card in cards:
        symbol = card.get("shortname", "")
        stockPosition = card.get("last", "")
        changePct = card.get("change_pct", "")
        writer.writerow([symbol, stockPosition, changePct])
    print("market_data.csv created")

print("reading latest news data")
with open("./data/raw_data/web_data.html", "r", encoding="utf-8") as f:
    html = f.read()

print(type(html))
soup = BeautifulSoup(html, "html.parser")
news_list = soup.find("ul", class_="LatestNews-list")

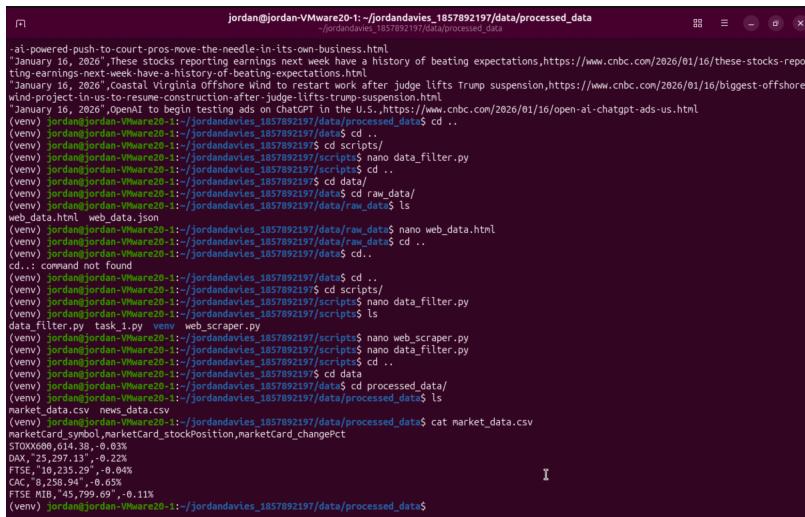
print("extracting fields from latest news data")
for news in news_list:
    news_data = news.get("news", {})
```

Finished data_filter.py



```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts ls
data_filter.py task1.py venv web_scraper.py
jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ source venv/bin/activate
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ python3 data_filter.py
reading market card data
extracting fields from market card data
writing market card data to csv
market_data.csv created
reading latest news data
<class 'str'>
extracting fields from latest news data
writing latest news data to csv
news_data.csv created
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
bash: cd: ..: No such file or directory
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ ls
data scripts
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd processed_data/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/processed_data$ ls
market_data.csv news_data.csv
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/processed_data$ cat news_data.csv
LatestNews.timestampLatestNews.link
8 Hours Ago,Week in review: Stocks battled a flood of news and booked some profits,https://www.cnbc.com/2026/01/17/week-in-review-stocks-battled-a-flood-of-news-and-booked-some-profits.html
8 Hours Ago,Trump threatens to sue JPMorgan Chase for 'debunking' him,https://www.cnbc.com/2026/01/17/trump-jpmorgan-chase-debunking.html
10 Hours Ago,Tariffs: NATO Members to face tariffs up to 25% until a Greenland deal is struck,https://www.cnbc.com/2026/01/17/trump-greenland-tariffs-na-to.html
11 Hours Ago,Lead by Texas, states race to prove they can put bitcoin on public balance sheet,https://www.cnbc.com/2026/01/17/texas-us-states-budgets-bitcoin-crypto-strategic-reserve.html
13 Hours Ago,Unshaken: Why Brazilian stocks have looked past the Venezuela attack,https://www.cnbc.com/2026/01/17/unshaken-why-brazilian-stocks-have-l-poked-past-the-venezuela-attack.html
13 Hours Ago,How to: How to create better habits without relying on discipline,https://www.cnbc.com/2026/01/17/james-clear-how-to-create-better-habits-without-relying-on-discipline.html
13 Hours Ago,Warren Buffett: To maximize your potential, ask yourself this question,https://www.cnbc.com/2026/01/17/warren-buffett-to-maximize-your-potential-ask-yourself-this-question.html
13 Hours Ago,Buy these five stocks ahead of earnings, Bank of America says,https://www.cnbc.com/2026/01/17/stocks-to-buy-ahead-of-earnings-bank-of-america-says.html
13 Hours Ago,This week's most overbought names include Darden Restaurants and Target,https://www.cnbc.com/2026/01/17/this-weeks-most-overbought-names-
```

Running data_filter.py and displaying new_data.csv



```
jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/processed_data ls
-ai-powered-push-to-court-pros-move-the-needle-in-its-own-business.html
"January 16, 2026",These stocks reporting earnings next week have a history of beating expectations,https://www.cnbc.com/2026/01/16/these-stocks-reporting-earnings-next-week-have-a-history-of-beating-expectations.html
"January 16, 2026",Coastal Virginia Offshore Wind to restart work after judge lifts Trump suspension,https://www.cnbc.com/2026/01/16/biggest-offshore-wind-project-in-us-to-resume-construction-after-judge-lifts-trump-suspension.html
"January 16, 2026",OpenAI to begin testing ads in the U.S.,https://www.cnbc.com/2026/01/16/open-ai-chatgpt-ads-us.html
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ nano data_filter.py
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/scripts$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data$ cd raw_data/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ ls
web_data.html web_data.json
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ nano web_data.html
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197/data/raw_data$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd ..
command not found
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd scripts/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ nano data_filter.py
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ ls
data_filter.py task1.py venv web_scraper.py
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ nano web_scraper.py
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ nano data_filter.py
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd ..
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd processed_data/
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cd data/processed_data$ ls
market_data.csv news_data.csv
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$ cat market_data.csv
marketCard_symbol,marketCard_stockPosition,marketCard_changePct
STOXX 50,25,297.13,-0.22%
DAX,"25,297.13",-0.22%
FTSE,"10,235.29",+0.04%
CAC,"8,238.94",+0.65%
FTSE MIB,"45,799.69",-0.11%
(venv) jordan@jordan-VMware20-1:~/jordandavies_1857892197$
```

Jordan Davies, ID: 1857892197

Displaying market_data.csv