**Lab 1 Solution**

Due to a temporary block on Broadcom registration until January 21, I used an Amazon EC2 instance for Lab 1. The instance runs the same Linux and "Ubuntu (64-bit)" version as the Broadcom VM. I will switch back to Broadcom’s VM once the registration is completed.

A screenshot of a computer

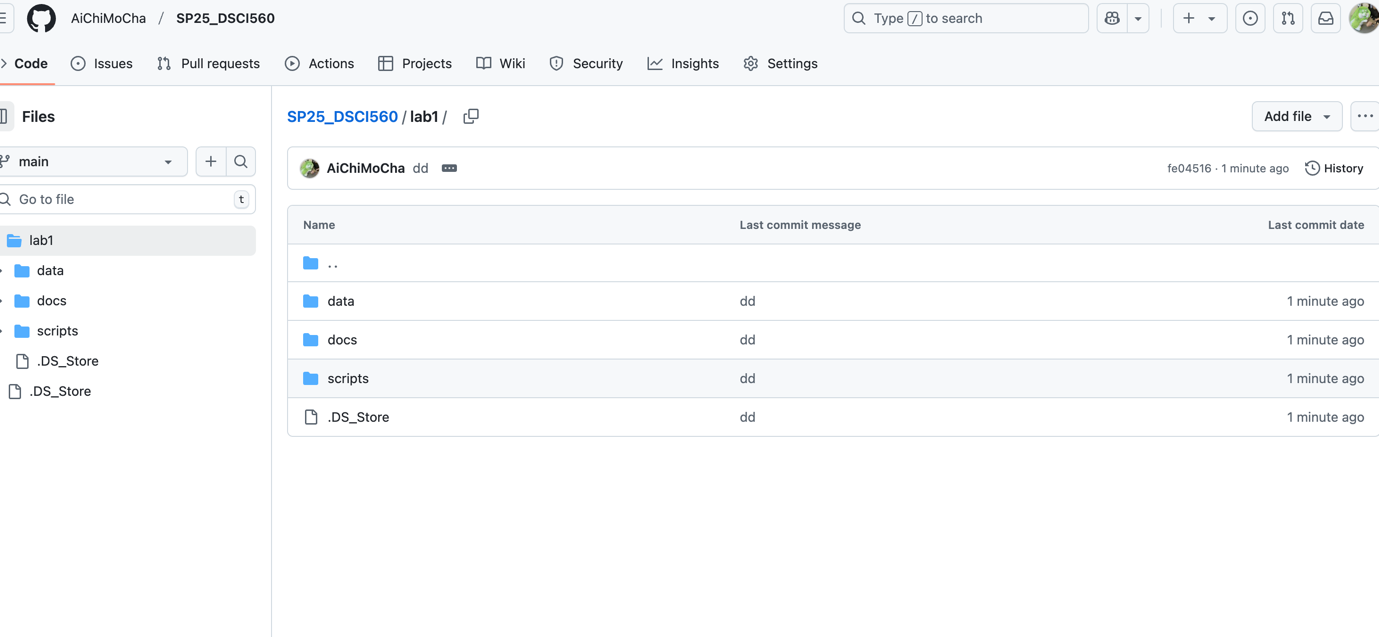
Description automatically generated

# A screenshot of EC2 instance

# A screenshot of a computer Description automatically generated

# A screenshot of a computer Description automatically generated

The Linux Ubuntu instance is spin up using GitHub for the repository.



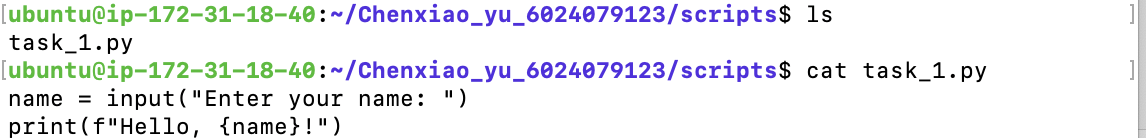
# **2.1. Get Familiar with Linux and Python**

## Playing around with Linux Terminal

## A computer screen shot of a code Description automatically generated

**2.2. A basic Python Script**

Task1 details



Task1A computer screen shot of a code

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## **2.3. Web Scraping Task**

Task2 details(partial – full in github)

A screenshot of a computer program

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Task2

+ A snapshot of the webpage from where the data is to be scraped ([CNBC](https://www.cnbc.com/world/?region=world)).

A screenshot of a computer

Description automatically generatedA screenshot of a computer code

Description automatically generated

Task2 output -- under “raw\_data” folder named “web\_data.html”(partial screenshot)

A screenshot of a computer code

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**2.4. Data Filtering Task**

Task3 code (partial screenshots)

A screenshot of a computer code

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Task3 running

A screenshot of a computer code

Description automatically generated

Task3 outputs – market data

A close-up of a computer screen

Description automatically generated

Task3 outputs – news data

A screenshot of a computer error

Description automatically generated