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Streaming Services Stocks

My program graphs the weekly closing prices of four major streaming services’ stocks: Netflix, Disney Plus, Amazon Prime Video, and Apple TV. I wanted to see how well these companies perform against each other in this environment. During quarantine, there has been more demand for steaming services as everyone has been stuck at home and are demanding for better, new shows to watch. Disney’ stocks has been skyrocketing due to the show called the Mandalorian, a show that puts out a new episode every week as opposed to Netflix who release the entire season at the same time. Amazon has the highest stock only because it has access to every single tv show and movie, excluding streaming service special shows. Apple TV is slowly trying to get into the game as they started making their own shows. At the end of the day, this sector is fun to track and watch.

Therefore I created my program to graph the stocks of these companies so we can see who dips and rises over weekly intervals. As of now, I made my program only look at the time periods from March, which was when the stocks collapsed as a result of the pandemic, to July, where stocks started to rise. I downloaded the .csv files from Yahoo Finance and uploaded them to PyCharm. Graphical user interface, text

Description automatically generated

I then created these lines of code above. This basically goes through the csv files from the stocks that I imported into PyCharm and goes through it to graph what I need, the date and the closing price. Row[0] returns the date and row[4] shows the closing dates. It goes through the entire file and puts these values into a []. Text

Description automatically generated

These lines of code basically gets the date list and price list. It opens the csv files and gets the actual dates and prices and puts them in a list. This code is necessary so that I can later plot them on a graph.Text

Description automatically generated

This line of code plots the dates and the closing prices from the [] we stored into a graph. It labels the the x-axis and y-axis and puts a title along with the tick marks. It will label the ticks with the date.

Chart, line chart

Description automatically generated

This is the final outcome. I could have made a legend at the top so I could see which line corresponds to which company.