**Task: Visualize Data using mplfinance**

1. Import the following modules at the start of your algorithm

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2. Create the “starttime”, “endtime”, and “ticker” variables:

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3. Obtain the minute by minute data for the stock you picked by making a request to the Polygon.io (<https://polygon.io/docs/stocks/get_v2_aggs_ticker__stocksticker__range__multiplier___timespan___from___to>) and you will get a JSON object as a return value.

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Hint: Use an f-string with the three variables from step 2 for the “stocksTicker”, “from”, and “to” parameters

4. Create a list of the stock’s minute by minute open price

5. Create a list of the stock’s minute by minute close price

6. Create a list of the stock’s minute by minute high price

7. Create a list of the stock’s minute by minute low price

8. Create a list of the stock’s minute by minute volume

9. Create an empty dataframe using pandas

10. Add 5 columns to the data frame (one for each of the following: open, close, high, low, and volume.

11. Manipulate the first column in the dataframe so that it displays the time, starting at 9:30am today and increasing by one minute each row

12. Display the dataframe using “mpf.plot”. Make sure to specify the type as “candle”. Play around with the parameters to make the best looking plot.

13. Save your algorithm as a “.py” file in your documents folder:

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14. Run your algorithm from the terminal (change directory to documents before running code)

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