**תרגיל בית 9 – מודלים לא לינאריים בחקר ביצועים**

**מגישים :**

**אלעד בוכריס – 206202426**

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שאלה 1 :

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| df = pd.read\_csv('prices.csv' ) | Creating a pandas dataframe from the prices csv file. |
| df.head(5) | Retrieving first 5 rows from the created dataframe. |

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| --- | --- |
| mask = df['date'].apply(lambda x : x [:4] == '2016' ) | Creating a mask for the dataframe for filtering only rows the their year is 2016. |
| df=df[mask] | Substracting the rows from the dataframe according to the mask. |
| df=df[df['symbol']=='AAPL'].reset\_index() | Substracting the rows that their stock symbol is ‘AAPL’ and reseting the index(setting a new index from 0 to the df size) |
| apple\_close\_prices=df.close |  |
| apple\_close\_prices.plot() |  |
| plt.show() |  |