###Please provide code used to get answers as well as any comments you feel would be helpful. Please use python for this exercise.

# Problem 1 (1-2 hrs)

Write a Python script to find out which symbols in the attachedfileA.txt are not contained in the attached fileB.txt for groupAand exchanges B and C.

# Problem 2 (1-2 hrs)

Calculate the port number from the ip and compare to the port number in the attached fileC.txt. The port can be calculated as follows:

port = W.X.Y.Z => 50000 + 200(y) + z

ie 239.100.33.46 = 50000 + 200(33) + 46 = 56646

For any that are not as they should be, print the ip, expected port and actual port, eg:

239.100.33.66 expected 56646, found 52300

# Problem 3 (4-6 hrs)

Please find attached two CSV files; portfolio.csv contains a portfolio of stock positions, corporate\_actions.csv contains a list of corporate actions.

Write a Python program to show how the portfolio changes each day as a result of applying the corporate actions. For cash dividends, please explain the approach you have chosen.

To be clear, you should print the portfolio 6 times (the starting portfolio and again after each day).