1. Get the data from excel and put in an array/list.
2. Put the data in a data frame.
3. Create a function for stock returns.
4. Calculate logarithmic returns for both stocks, where: in a loop.
5. Calculate logarithmic returns using the data frame.
6. Feed returns back in the excel sheet.
7. Count the number of data points for each stock.
8. Calculate the yearly returns.
9. Plot a chart where date is the x-axis and returns are the y-axis.
10. Change colour scheme of chart.
11. Calculate the variance of the returns using the data frame.
12. Calculate the standard deviation, (square root of variance).
13. Calculate the yearly covariance of the stocks using Pandas.
14. Create a function to calculate the 99% Historical Value at risk for 10,000 NIKE stocks
15. Multiply %returns by 10,000
16. Sort returns from best to worst
17. Find the 1% percentile on the sorted returns.