**MA 374: Financial Engineering Lab**
**LAB 6 Report**
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**Question 1**
96 Plots in folder "Part1: Stock Price Plot".

**Question 2**
96 Plots in folder "Part2: Normal Return Hist".

Fat tails are visible in some of the stocks. This shows that there are times of very high volatility/fluctuations in stock prices, some times of stable market. The times stable market causes overall volatility to decrease, but cannot capture times of sharp market movements.

**Question 3**
96 Plots in folder "Part3: Log-Return Hist".

Log-normal returns also show very similar plots to simple normalized return, but they are slightly smoothened to fit the normal distribution.

**Question 4 and 5**
96 Plots in folder "Part 4&5:Generated Stock Price".