Monte Carlo Simulation Assignment 8

Ques 1:

Tried simulating the adjusted closing price of the asset for a 1000 time points (days) after 30th September, 2020 using the Jump Diffusion Model.

The values of μ = 0.000298, σ = 0.022281, S(0) = 185.39999 were obtained from the previous assignment. Using these values to Simulate Jumps at Fixed Dates for various values of Lambda resulted in the following graphs :

Observations:

 As we increase the value of Lambda, the number of jumps throughout the 1000 day time period increase







