Part 1)

Part 2)

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generated

Both charts in part C and D are actually very similar. They both experience exponential growth at about the same rate. This is because the time of computation grows at the same rate as the number of elements in the array. There are more elements to compare and more step to complete the insertion sort. Also, I thought that the specifications of your computer would mitigate the reason of change, but because the amount of elements increase along with the amount of elements needing to be compared, the computer would still have to compare them all so that the rate of change would be similar.

Part 3)

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generated