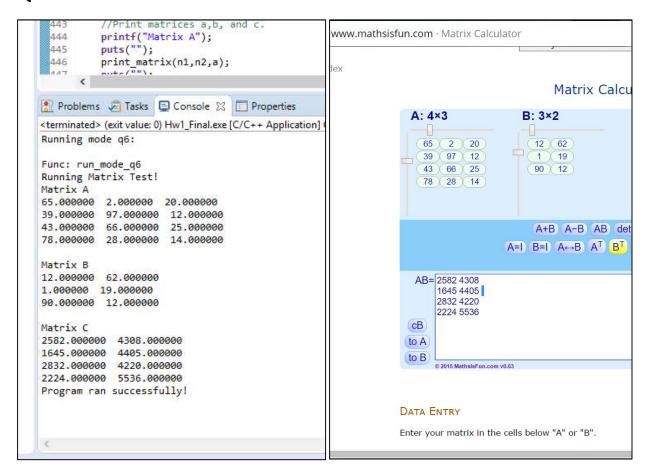
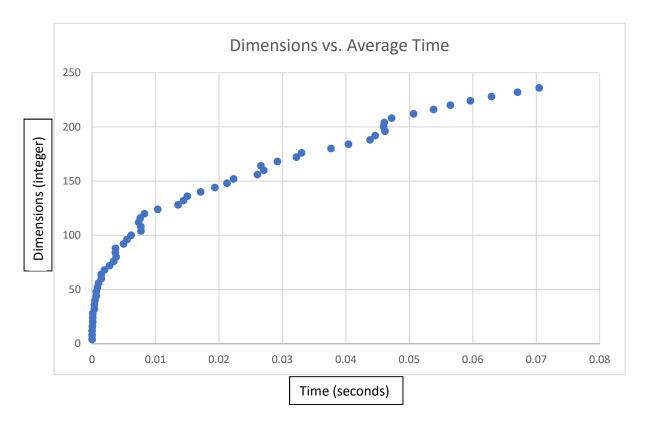
Assignment 1 Report

Q6:



Q8:



I expected the graph to have a concave curve rather than a convex, log-like curve. This is because I assumed that as n increases, n² increases even more quickly, resulting in a bigger difference in average time from that of n-1 dimensions. However, it makes sense for this graph to have this shape, because when n is low, there is a bigger percentage increase between steps compared to when n is very high. Thus, it seems that running an algorithm on a large matrix is much more efficient than running many algorithms on multiple, smaller matrices.