# INTRODUCTION

The objective of this assignment is to compare the timing for operations on list using Vector and List classes.

For part1.cpp I implemented a function vistAll() in vector.h and list.h. And recorded the time, taken to construct each list and time taken to execute visitAll() for each list.

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Type of Element: int
Number of Elements: 10000
Time units: milliseconds
Time for Vector Insertion: 0.007000 ms
Time for List Insertion: 0.827000 ms
Time for Vector Visiting: 0.070000 ms
Time for List Visiting: 0.152000 ms

For part2.cpp I implemented push_front() function in vector2.h. And recorded the time, taken to construct each list and time taken to execute visitAll() for each list.

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Type of Element: int
Number of Elements: 10000
Time units: milliseconds
Time for Vector Insertion: 182.490000 ms
Time for List Insertion: 0.757000 ms
Time for Vector Visiting: 0.056000 ms
Time for List Visiting: 0.128000 ms