Gouri Yerra  
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CSCI 262 - Data Structures

Lab 4 - Sets and Maps

Part 1:

0. What is your name and your partner's name?

My name is Gouri Yerra and my partner’s name is Patrick Ng.

1. What setting did you choose for the TEST\_SIZE constant?

10,000

2. Run three trials of the code as provided, and record the timings below.

Vector:

Trial 1: 3.309 s

Trial 2: 3.331 s

Trial 3: 3.342 s

3. Run three trials timing how long it takes to lookup TEST\_SIZE words from a

Set, and record the timings below.

Trial 1: .002 s

Trial 2: .003 s

Trial 3: .002 s

Part 2:

4. What kind of error did you get when you tried a number greater than 4? Can

you explain why you got the error?

Unhandled exception at 0x00AA9060 in Lab4part2.exe: 0xC0000094: Integer division by zero.

This error occurred because the program is asked for a length it has no words for. In the vector, there is no words with length of greater than 4.

Part 2 Extra Credit (record your timing results below)