

lab 03 Performance Analysis

Instructions: In this lab we will empirically deduce the runtime performance of certain function. Inside of `src/main.cpp` you will see 5 functions (`problem1`, `problem2`, `problem3`, `problem4`, and `problem5`). For each of the functions **empirically** generate a performance graph (via `gnuplot`) and label what you believe is the **theoretical** Big O of that function.

Please place your documentation in a single `.pdf`, `.txt`, or `.doc`.

How to turn in:

Turn in via GitHub. Ensure the file(s) are in your directory and then:

- `$ git add <files>`
- `$ git commit`
- `$ git push`

Due Date: September 06, 2017 2359

Teamwork: No teamwork, your work must be your own.