Your Name
UID
Date
CS 2420

Analysis Document — Assignment X

1. Put your answer to Question #1 here. Usually the first question is about pair programming. It is critical that you give the name of your partner here and declare which of you submitted the program to Gradescope — course staff needs this information to organize grading, so make it clear and easy to see. E.g., **my programming partner is Jane Doe and she submitted the program to Gradescope.**

   Be sure to give a complete answer to Question #1, responding to everything asked. Include any other information that you think will be helpful to the TA(s) grading your assignment. Use paragraphs to organize your answer.

2. Put your answer to Question #2 here, following the general advice above.

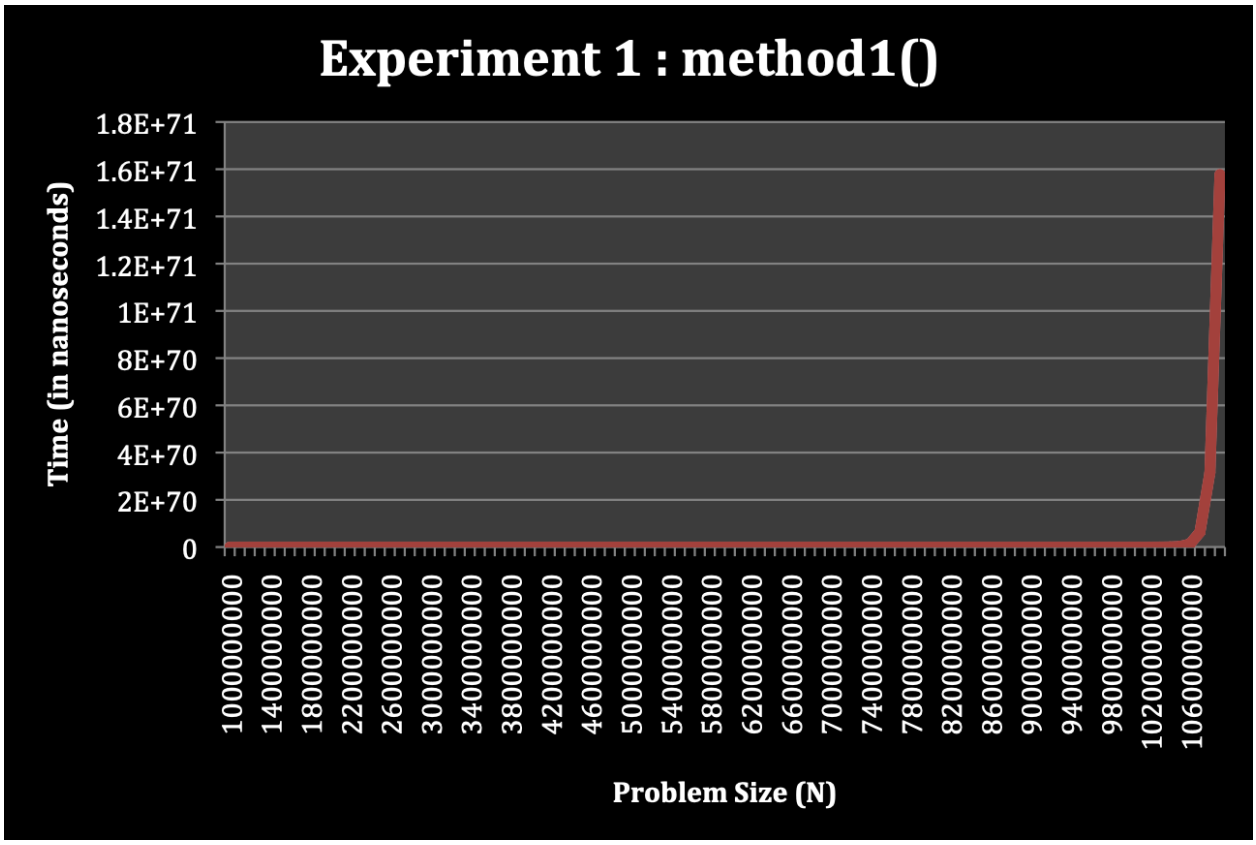
3. Put your answer to Question #3 here, following the general advice above.

4. Put your answer to Question #4 here. Suppose that this question is about an experiment in which you collect and plot running times. Start by summarizing the purpose of the experiment.

   Next, explicitly state how you set up the experiment. Any CS 2420 student or TA should be able to recreate your experiment just by reading your document. Provide information on your problem size (i.e., where N starts, where it stops, and size of steps in between). Also give the value of *timesToLoop*. Note how and where you created anything you needed for the setup of this experiment.

   Then, discuss your hypothesis. What do you expect the trend of running times to be and why?

   Give your plot (make sure both axes are labeled, there is a title, and font size is reasonably large):



Finally, discuss your results. Does your implementation behave as expected? Does your plot reflect that? Why or why not? (Refer to a plot by its title.)

5. And, so on.

General advice for writing analysis documents:

- Start early. Some assignments need considerable time to complete the analysis. Plan ahead and do not judge future assignments by the small amount of analysis required for the early assignments.
- Programming partners should plan and execute experiments together, collecting the same running times. However, each partner should produce their own plot(s) and write their own analysis document.
- To facilitate grading, use the question numbers to order and label your answers. **Be sure to match each question number to the page(s) on which your response resides** when you upload to Gradescope.
- Be proud of your work and put your name on it!
- Be organized and thorough in your document, but not overly verbose. Practice being complete, but concise.
- Spell check your document! Misspelled words in your finished work is unprofessional and completely unnecessary. Expect points to be deducted for such mistakes.
- Proofread your final document! Do not submit a document that you have not read through from start to finish, at least once.