

Lab 7 – CSE 101 (Fall 2019)

Objectives

The primary objectives of this lab assignment are:

- To understand time complexity with Python examples.
- To get practice writing recursive functions

1. Time complexity with Python examples

Visit the following link that explains understanding time complexity with Python examples. The instructor will walk you through the article along with examples to clarify concepts of time complexity.

<https://towardsdatascience.com/understanding-time-complexity-with-python-examples-2bda6e8158a7>

2. Writing Recursive Functions (5 points)

Download [lab7.py](#). Write the implementation for each function defined in the file in a recursive manner (i.e. the function must call itself) – it is not acceptable to submit an iterative solution to these problems.

Work on these functions one at a time, uncommenting the function and the resulting test code further down in the file. You will need to move the triple quotes (""") line after each function to comment it out.

3. Submission

Submit the completed `lab7.py` program on Blackboard.