

Lab 2

COSC 20803  
Due November 3

Fall 2021

Using the Lab2.java file, add statements to investigate the worst-case behavior of two methods of creating a heap.

Code for counting the number of swaps is already included in the methods.

Add code to measure the runtime of the two methods.

Run your program for a wide range of heap sizes. Record the data that you obtain in a table in a Word document. Write a narrative describing your findings.

Create a zip archive containing the modified java file and the Word document. Submit that archive.

Do not change the name of the class.