

CS 150
HOMEWORK 4: USING STACK AND QUEUE

Create a new Python script file that you will name *yourname_homework4.py* Save this file in a folder on your computer where you will keep all your homework assignments. Write some Python code inside this file that I will be able to run on my computer without errors.

When finished, upload your file in Google Classroom using the Homework 4 assignment link. Don't forget to add comments at the beginning of each task and throughout your code for clarity.

TASKS

- 1.** Implement the function `peek()` for the Stack class. It returns the last element in the stack without taking it out of the stack.
- 2.** Implement the function `size()` for Stack. It returns the number of elements in the stack.
- 3.** Implement the game hot potato using the Queue class. You are given a list of children's names and a number. Who will be the winner?