

Aim: What we have learned so far? (TEST)

This is a lab test to assess what you have achieved so far in SE 226. You have 2 different tasks. First one is just a method in C++ and the second one is a complete program in Python.

Important: You will write each answer to one page by hand! Before the lecture ends, you must send the picture of the single page to: *erdem.okur@ieu.edu.tr*.

1. Write a new method for your Queue implementation in C++ from last week. Your method should change the order of the Queue from front to back.

Sample:

1 → 2 → 3 → 4 → 5 → null //before new method runs

5 → 4 → 3 → 2 → 1 → null // after new method

Please just write the method nothing else (no whole programs). Your method cannot take any parameters and it won't return anything.

2. You will implement a simple game in Python. First declare a variable with name "guess". Assign word of your choice with 8 letters to "guess" variable. Then the game begins.

User enters 4 strings. 2 of them must start with consonants, on the other hand the remaining 2 must start with non consonants. Then, you will check the entered strings.

If a string entered by the user is a substring of "guess", user gets 1 point. Also, if the entered substring exists in the "guess" more than once, for each occurrence user gets 1 point.

In the end, if user gets points more than or equal to 4, user wins. Prompt the user accordingly and end the game.