Concurrent programming - Spring 2022 - Homework 1

Lecturer: Dr. Mahmood Fazlali

TA: Mahdi Movahedian Moghaddam

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Shahid Beheshti University

Faculty of Mathematical Sciences

Department of Data and Computer Science

If you need help, you can raise it in the WhatsApp group or send a message to the telegram ID : @mmovahed02.

Problem

In this homework, you must optimally implement the depth first search(DFS) graph algorithm.

Description

This algorithm is one of the graph traversing algorithms that traverse nodes based on stack data structure. In such a way that each node leaves its adjacent nodes entering the stack. As you know, this algorithm can be implemented in two types: recursive form and non-recursive form. You are expected to implement the algorithm as optimally as possible!