

This lab is to be completed individually

This lab is for you to understand Queue data structure implementation.

What to do?

Implement 2 types of design for Queue data structure using Array:

1. Fixed front
2. Floating front

Methods:

1. public bool enqueue(Employee e);
2. public Employee dequeue();

Employee objects can be obtained by reading the "emp.txt" file as given in Lab 4. Make sure that your code is well documented i.e., in-line comments with a simple README would be ideal. For instance, every function and complex portion of code should have comments that describe what it does.

Program input

A single .txt file named "emp.txt" (As given in Lab 4).

Program output

For each queue types, fixed front and floating front:

1. Read the first 5 Employee objects from "emp.txt" and store them into your queue.
2. Print elements stored in queue
3. Dequeue twice
4. Print elements stored in queue once again

What to turn in?

1. Source code
2. Your program's outputs in a PDF file
3. JAR file.
4. README file to demonstrate how your program works. Include a command to determine how to run the JAR file.