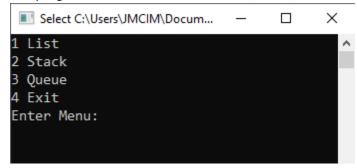
## Rizal Technological University College of Engineering and Architecture

## Midterm Exam

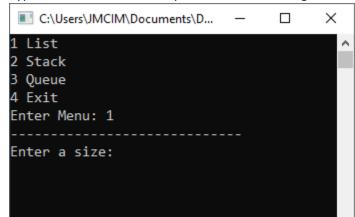
Name: Instructor: Section: Date: Direction: Read carefully the following sets of instruction

Create a program that can process data using Abstract Data Types (List, Stack and Queue) with and linked list implementation.

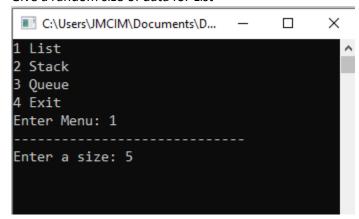
a. The program consist of menu for the List, Stack, Queue and Exit.



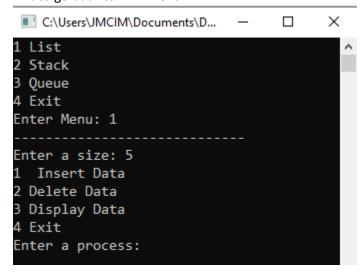
b. Type 1 to "Enter Menu:" to process the data using List



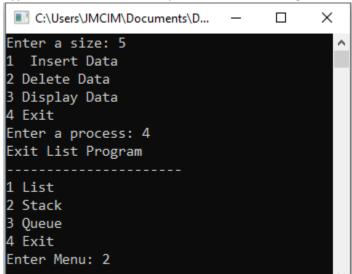
c. Give a random size of data for List



 d. After entering a size of data, it will display another menu for List Insert Data to insert data
 Delete data to delete data
 Display data to display data
 Exit to go back to ADT menu



e. Type 2 to "Enter Menu:" to process the data using Stack

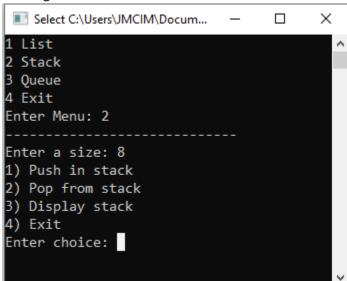


- f. Give a random size of data for Stack
- g. After entering a size of data, it will display another menu for Stack Push in stack to insert data using stack

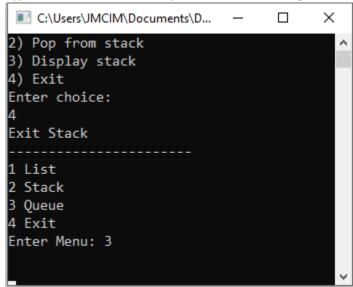
Pop from stack to delete data using stack

Display stack to display data

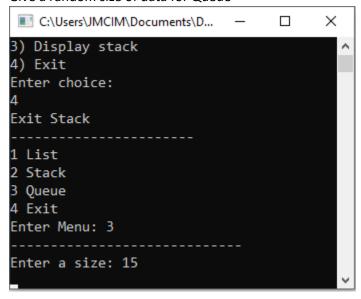
Exit to go back to ADT menu



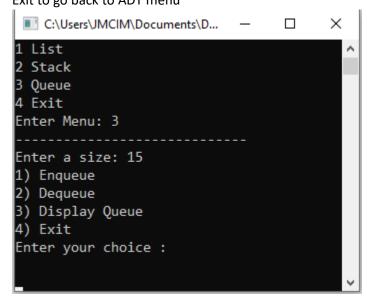
h. Type 3 to "Enter Menu:" to process the data using Queue



i. Give a random size of data for Queue



j. After entering a size of data, it will display another menu for Queue Enqueue to insert data using Queue Dequeue to delete data using Queue Display Queue to display data Exit to go back to ADT menu



k. Type 4 to "Enter Menu:" to terminate the program

