

Lab 06

1. REPL (Read Evaluate Print Loop) program.
2. Que data structure.

Objectives

1. Understand queue data structure.
2. Understand basic queue operation such as enqueue, deque.
3. Understand how to create a model class to represent data.

Instructions

1. Create class Lab06Application.cs in namespace Aut.Lab.Lab06 by file name as a constructor parameter. Example Lab06Application(string fileName)
2. To run program, use the command **dotnet run lab06. (no parameter is required)**
3. Create a class called "Queue" which the following methods.
 - Void EnQue(string data)
 - string DeQue()
 - void Clear()
 - void DisplayQue()
4. In Lab06Application.cs, create method Run() to keep getting input from user.
Please enter command : command <hit enter>
Commands can be :
 - Count - To display the size of Queue*
 - EnQue xxxx - where xxx is the value add to queue*
 - DeQue - To move item from queue and display the value to screen*
 - Clear - To clear queue*
 - Quit - To exit from program*

Questions

1. What are the basic operations of queue?
2. What are the difference between queue and array and hash?
3. Show some examples of queue in your working day..