Lab 05 - Little's Law

Direction: Submit typed work on github.

For this lab, your objective is to complete each of the following task.

☐ Define a character **Queue** class that has the methods:

- Enqueue() - adds an item to the queue.
- Dequeue() - removes front item from the queue.
- Peek() - returns but does not remve the front item of the queue.
- IsEmpty() - states if the queue is empty.
- Size() - returns the size of the queue.

☐ Define the function `LittlesLaw()` whose header is

```
double LittlesLaw(ifstream& in,int W)
```

It returns the average number of characters in the queue given that each character stays in the queue for W reads and 1 character arrives per read.