How to Run Program: Open the sln file, navigate to the main file and run the program. Follow the prompts and enter integers for every menu prompt. For the infix prompt you may enter alphabetic characters as well as numeric characters. For every other prompt, it is required that you enter integers.

Output: Goes left image, then right, then next page

```
Welcome to Assignment 3
1. Expression Manager
2. Queue
3. Quit
What part of the assignment would you like to do? 1
Please enter an infix expression: A + B * C
Postfix expression: ABC*+

Welcome to Assignment 3
1. Expression Manager
2. Queue
3. Quit
What part of the assignment would you like to do? 2

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 4
Queue is empty

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 1
What number would you like to add to the queue? 1

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 1
What number would you like to add to the queue? 2

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 1
What number would you like to add to the queue? 3

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 1
What number would you like to add to the queue? 4
```

```
Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 5
The size of the queue is 4 element(s)

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 3
Front Item: 1

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 2
Item: 1 was removed

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 3
Front Item: 2

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 5
The size of the queue is 3 element(s)

Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 4
Queue is not empty
```

```
Welcome to the Queue
1. Enter an item into the queue
2. Remove item from queue
3. Print first item in queue
4. Check if Queue is empty
5. Get size of Queue
6. Quit
What would you like to do? 6
Goodbye!!!

Welcome to Assignment 3
1. Expression Manager
2. Queue
3. Quit
What part of the assignment would you like to do? 3
Goodbye!!!

D:\School\Data Structures and Algorithms\Assignment 2\Assignment 3\x64
\Debug\Assignment 3.exe (process 13096) exited with code 0.
To automatically close the console when debugging stops, enable Tools-
>Options->Debugging->Automatically close the console when debugging st
ops.
Press any key to close this window . . .
```