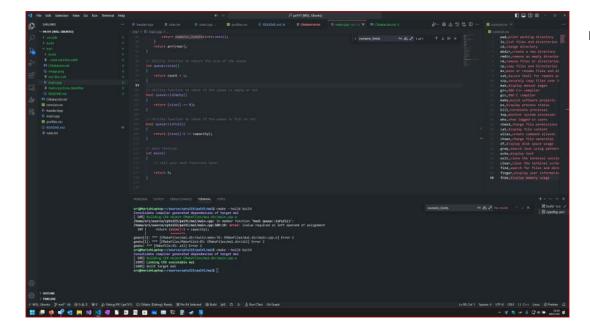


All the Errors upon first



No errors after fix

```
9/670a3..56421d/ mai -> mai

sri@HarishLaptop:~/source/cpts223/pa1V1/ma1$ build/ma1

Queue is not empty - isEmpty() Failed
```

isEmpty() failed Test Case

```
sri@HarishLaptop:~/source/cpts223/pa1V1/ma1$ build/ma1
Queue is not empty - isEmpty() Failed
Inserting 0
Inserting 1
Inserting 2
Inserting 3
Inserting 4
Size is 6- size() Failed
sri@HarishLaptop:~/source/cpts223/pa1V1/ma1$
```

isEmpty() Failed Test Case



isFull() Passed Test Case



Enqueue() when Empty Passed
Test Case

```
Enqueued Succussfully when Queue is Empty - enqueue() Passed
Inserting 10
Inserting
```

Enqueue() when Full Passed
Test Case

```
Inserting 18
Inserting 19
Inserting 19
Inserting 19
Inserting 19
Inserting 10
Inser
```

Dequeue when empty passes Test Case

```
Removing 4
Removing 5
Removing 6
Removing 7
Removing 8
Removing 8
Removing 8
Removing 10
R
```

Dequeue when full passes Test Case

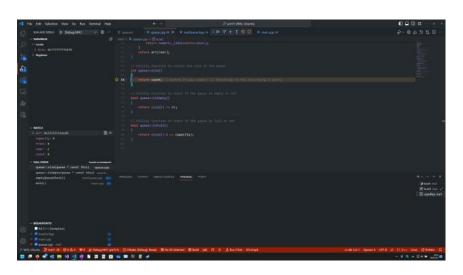
```
Removing 4
Removing 5
Removing 6
Removing 7
Removing 7
Removing 8
Removing 10
```

Peek when empty passes test case

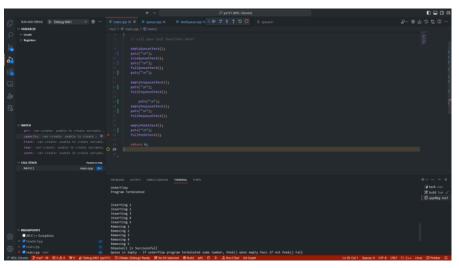
```
Removing 8
Removing 10
Removing 10
Removing 10
Removing 15
Dequeue is Succsussfull
Removing 1622423033
If peek returns any value, then Peak() has failed. If not then Peek is succussful
Underflow
Program Terminated
-2147488648
Inserting 10
If peek returns a value, then Peak() is succussfull, if not then Peak() failed
Peak: 1
sri@HarishLaptop:-/source/cpts223/paiVl/mais|
elVI) @CMake(Debug|Reedy %No EctSelected @Buld [all] & D A Run Clest GtGraph
```

Peek when non-empty passes test case

Fixing Code



Before it was "return count + 1" resulting in a the size being +1 bigger.



Code is Fixed All test cases pass

Log of Fixed Test Code

Queue is empty - isEmpty() Passed

Inserting 1 Inserting 2 Inserting 3

```
Inserting 4
Inserting 5
Size is 5 - size() Passed

Inserting 1
Inserting 1
Inserting 2
Inserting 2
Inserting 4
Inserting 4
Inserting 4
Inserting 4
Inserting 5
Max Size is 5 isFull() Passed

Inserting 1
Inserting 1
Inserting 1
Inserting 1
Inserting 2
Inserting 3
Inserting 2
Inserting 3
Inserting 4
Inserting 6
Inserting 6
Inserting 6
Inserting 7
Inserting 7
Inserting 8
Inserting 9
Inserting 9
Inserting 9
Inserting 1
Inserting 9
Inserting 1
Inserting 9
Inserting 1
Inserting 2
Inserting 3
Inserting 4
Inserting 5
Removing 1
Removing 2
Removing 1
Removing 2
Removing 4
Removing 5
Removing 4
Removing 5
Removing 4
Removing 5
Removing 6
Inserting 6
Inserting 6
Inserting 7
Inserting 9
Inserting 1
Inserting 5
Inserting 1
Inserting 5
Inserting 6
Inserting 6
Inserting 6
Inserting 7
Inserting 8
Inserting 8
Inserting 9
Inserting 9
Inserting 9
Inserting 1
Inserti
```