

```

masonmenser@LAPTOP-7I5F4QVC:~/CPTS_223/MA1$ cmake --build build
gmake[2]: Warning: File '../main.cpp' has modification time 652 s in the future
[ 50%] Building CXX object CMakeFiles/CPTS_223_CMake.dir/main.cpp.o
/home/masonmenser/CPTS_223/MA1/main.cpp:12:1: error: new types may not be defined in a return type
12 | class queue
    | ^~~~~~
/home/masonmenser/CPTS_223/MA1/main.cpp:12:1: note: (perhaps a semicolon is missing after the definition of 'queue')
/home/masonmenser/CPTS_223/MA1/main.cpp:12:1: error: return type specification for constructor invalid
/home/masonmenser/CPTS_223/MA1/main.cpp: In member function 'void queue::dequeue()':
/home/masonmenser/CPTS_223/MA1/main.cpp:59:24: error: invalid operands of types 'const char [10]' and 'int' to binary 'operator<<'
59 |     cout << "Removing " << arr[front] << '\n';
    |                      ~~~~~^~~~~
    |                      |      |
    |                      |      +-- int
    |                      +-- const char [10]
/home/masonmenser/CPTS_223/MA1/main.cpp: In member function 'void queue::enqueue(int)':
/home/masonmenser/CPTS_223/MA1/main.cpp:69:9: error: 'isFul' was not declared in this scope; did you mean 'isFull'?
69 |     if (isFul())
    |         ^~~~~~
    |         |
    |         +-- isFull
/home/masonmenser/CPTS_223/MA1/main.cpp: In member function 'int queue::peek()':
/home/masonmenser/CPTS_223/MA1/main.cpp:88:16: error: 'numeric_limits' was not declared in this scope
88 |     return numeric_limits<int>::min();
    |            ^~~~~~
/home/masonmenser/CPTS_223/MA1/main.cpp:88:31: error: expected primary-expression before 'int'
88 |     return numeric_limits<int>::min();
    |                               ^
/home/masonmenser/CPTS_223/MA1/main.cpp:88:31: error: expected ';' before 'int'
88 |     return numeric_limits<int>::min();
    |                               ^
    |                               |
    |                               +-- ;
/home/masonmenser/CPTS_223/MA1/main.cpp:88:34: error: expected unqualified-id before '>' token
88 |     return numeric_limits<int>::min();
    |                               ^
/home/masonmenser/CPTS_223/MA1/main.cpp: In member function 'bool queue::isFull()':
/home/masonmenser/CPTS_223/MA1/main.cpp:108:20: error: lvalue required as left operand of assignment
108 |     return (size() - 1 = capacity);
    |            ~~~~~~^~~~~~
gmake[2]: *** [CMakeFiles/CPTS_223_CMake.dir/build.make:76: CMakeFiles/CPTS_223_CMake.dir/main.cpp.o] Error 1
gmake[1]: *** [CMakeFiles/Makefile2:83: CMakeFiles/CPTS_223_CMake.dir/all] Error 2
gmake: *** [Makefile:91: all] Error 2
masonmenser@LAPTOP-7I5F4QVC:~/CPTS_223/MA1$

```

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) MA1

Process: [25248] MA1.exe Lifecycle Events Thread: [8820] Main Thread Stack Frame: queue::size

testQueue.cpp queue.h

```
72
73     cout << "Inserting " << item << '\n';
74
75     rear = (rear + 1) % capacity;
76     arr[rear] = size();
77     count++;
78 }
79
80 // Utility function to return front element in the queue
81 int queue::peak()
82 {
83     if (isEmpty())
84     {
85         cout << "UnderFlow\nProgram Terminated\n";
86         return numeric_limits<int>::min();
87     }
88     return arr[rear];
89 }
90
91 // Utility function to return the size of the queue
92 int queue::size()
93 {
94     return count + 1;
95 }
96
97 // Utility function to check if the queue is empty or not
98 bool queue::isEmpty()
99 {
100     return (size() == 0);
101 }
102
103 // Utility function to check if the queue is full or not
104 bool queue::isFull()
105 {
106     return (size() - 1 == capacity);
107 }
```

91 % No issues found

Autos

Search (Ctrl+E) Search Depth: 3

| Name | Value |
|----------|--|
| count | 0 |
| this | 0x0000001d6d6ff7e8 (arr=0x0000001d0462afa0 [-842150451] capacity=10 front=0 ...) |
| arr | 0x0000001d0462afa0 [-842150451] |
| capacity | 10 |
| front | 0 |
| rear | -1 |
| count | 0 |

Autos Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List

Ready