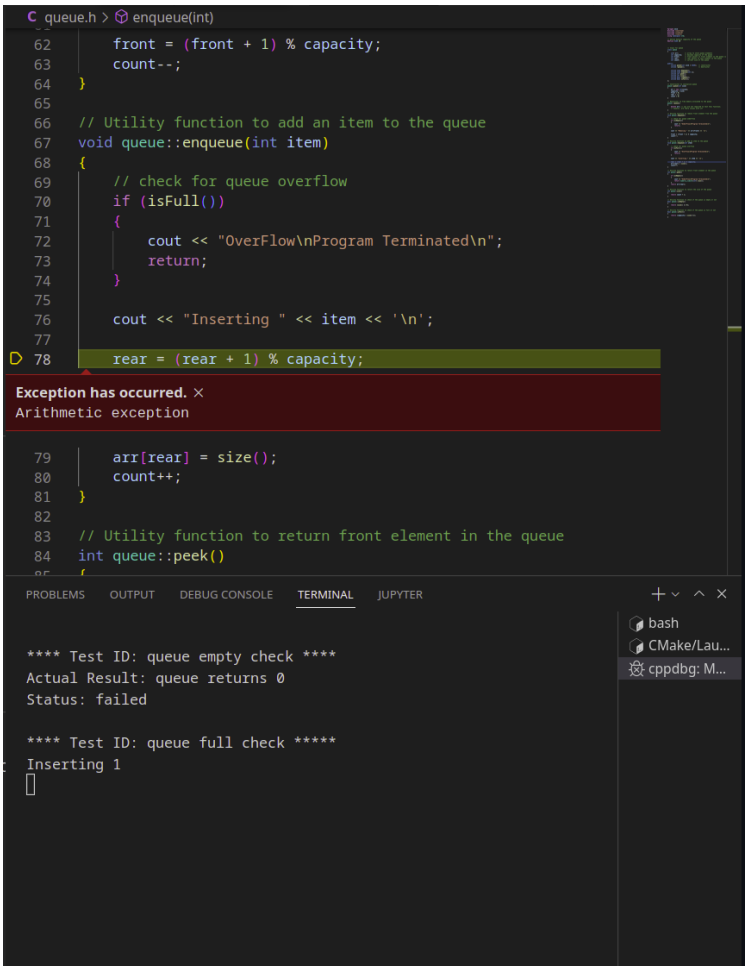
```
[jaxon@workstation MA1]$ g++ main.cpp
main.cpp:12:1: error: new types may not be defined in a return type
   12 | class queue
      | ^~~~~
main.cpp:12:1: note: (perhaps a semicolon is missing after the definition of 'queue')
main.cpp:12:1: error: return type specification for constructor invalid
main.cpp: In member function 'void queue::dequeue()':
main.cpp:59:24: error: invalid operands of types 'const char [10]' and 'int' to binary 'operator<<'
   59 |     cout < "Removing " << arr[front] << '\n';
      |            ~~~~~~~~~~~ ^~ ~~~~~~~~~~
      |            |                        |
      |            const char [10]          int
main.cpp: In member function 'void queue::enqueue(int)':
main.cpp:69:9: error: 'isFul' was not declared in this scope; did you mean 'isFull'?
   69 |     if (isFul())
      |         ^~~~~
      |         isFull
main.cpp: In member function 'int queue::peek()':
main.cpp:88:16: error: 'numeric_limits' was not declared in this scope
   88 |         return numeric_limits<int>::min();
      |                ^~~~~~~~~~~~~~
main.cpp:88:31: error: expected primary-expression before 'int'
   88 |         return numeric_limits<int>::min();
      |                               ^~~
main.cpp:88:31: error: expected ';' before 'int'
   88 |         return numeric_limits<int>::min();
      |                              ^~~
      |                              ;
main.cpp:88:34: error: expected unqualified-id before '>' token
   88 |         return numeric_limits<int>::min();
      |                                  ^
main.cpp: In member function 'bool queue::isFull()':
main.cpp:108:19: error: lvalue required as left operand of assignment
  108 |     return (size()-1 = capacity);
      |             ~~~~~~^~
[jaxon@workstation MA1]$
```

Initial Building with g++. This was on Ubuntu 21.04



This picture shows how a bug in the isFull member function causes the enqueue function to also break. The isFull member function was changing the value of capacity instead of comparing it, and the result was a seg fault because the enqueue function attempted to divide by zero (capacity was set to zero). This was exposed by the enqueue unit test.