```
idiot@idiot-VirtualBox:~/CLionProjects/Mirco1/build$ make
Scanning dependencies of target Mirco1
[ 50%] Building CXX object CMakeFiles/Mirco1.dir/main.cpp.o
/home/idiot/CLionProjects/Mirco1/main.cpp:12:1: error: new types may not be defined in a return type
   12 | class queue
      | ^~~~~
/home/idiot/CLionProjects/Mirco1/main.cpp:12:1: note: (perhaps a semicolon is missing after the definition of ‘queue’)
/home/idiot/CLionProjects/Mirco1/main.cpp:33:22: error: return type specification for constructor invalid
   33 | queue::queue(int size)
      |                      ^
/home/idiot/CLionProjects/Mirco1/main.cpp: In member function ‘void queue::dequeue()’:
/home/idiot/CLionProjects/Mirco1/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
/home/idiot/CLionProjects/Mirco1/main.cpp: In member function ‘void queue::enqueue(int)’:
/home/idiot/CLionProjects/Mirco1/main.cpp:69:9: error: ‘isFul’ was not declared in this scope; did you mean ‘isFull’?
   69 |     if (isFul())
      |         ^~~~~
      |         isFull
/home/idiot/CLionProjects/Mirco1/main.cpp: In member function ‘int queue::peek()’:
/home/idiot/CLionProjects/Mirco1/main.cpp:88:16: error: ‘numeric_limits’ was not declared in this scope
   88 |         return numeric_limits<int>::min();
      |                ^~~~~~~~~~~~~~
/home/idiot/CLionProjects/Mirco1/main.cpp:88:31: error: expected primary-expression before ‘int’
   88 |         return numeric_limits<int>::min();
      |                               ^~~
/home/idiot/CLionProjects/Mirco1/main.cpp:88:31: error: expected ‘;’ before ‘int’
   88 |         return numeric_limits<int>::min();
      |                               ^~~
      |                               ;
/home/idiot/CLionProjects/Mirco1/main.cpp:88:34: error: expected unqualified-id before ‘>’ token
   88 |         return numeric_limits<int>::min();
      |                                  ^
/home/idiot/CLionProjects/Mirco1/main.cpp: In member function ‘bool queue::isFull()’:
/home/idiot/CLionProjects/Mirco1/main.cpp:108:24: error: lvalue required as left operand of assignment
  108 |     return (size()-1 = capacity);
      |                        ^~~~~~~~
make[2]: *** [CMakeFiles/Mirco1.dir/build.make:82: CMakeFiles/Mirco1.dir/main.cpp.o] Error 1
make[1]: *** [CMakeFiles/Makefile2:95: CMakeFiles/Mirco1.dir/all] Error 2
make: *** [Makefile:103: all] Error 2
idiot@idiot-VirtualBox:~/CLionProjects/Mirco1/build$
```

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help

MA1 〉 queue.h

MA1 | Debug

Project

- MA1 ~/CLionProjects/MA1
  - cmake-build-debug
  - CMakeLists.txt
  - main.cpp
  - queue.h
  - testQueue.cpp
  - testQueue.h
- External Libraries
- Scratches and Consoles

CMakeLists.txt | main.cpp | testQueue.cpp | queue.h | testQueue.h

```cpp
        cout << "UnderFlow\nProgram Terminated\n";
        //return numeric_limits<int>::min(); //doesn't work in Linux, works just fine in windows VS
    }
    return arr[rear];
}

// Utility function to return the size of the queue
int queue::size()
{
    return count + 1;
}

// Utility function to check if the queue is empty or not
bool queue::isEmpty()
{
    return (size() == 0);
}

// Utility function to check if the queue is full or not
bool queue::isFull()
{
    //needed extra =
    return (size()-1 == capacity);
}
```

Terminal

Run: MA1

```
/home/nate/CLionProjects/MA1/cmake-build-debug/MA1
testIsEmpty result: 0
munmap_chunk(): invalid pointer

Process finished with exit code 134 (interrupted by signal 6: SIGABRT)
```

Run | TODO | Problems | Debug | Terminal | CMake | Messages | Event Log

Process finished with exit code 134 (interrupted by signal 6: SIGABRT)

94:1 LF UTF-8 4 spaces C++: MA1 | Debug