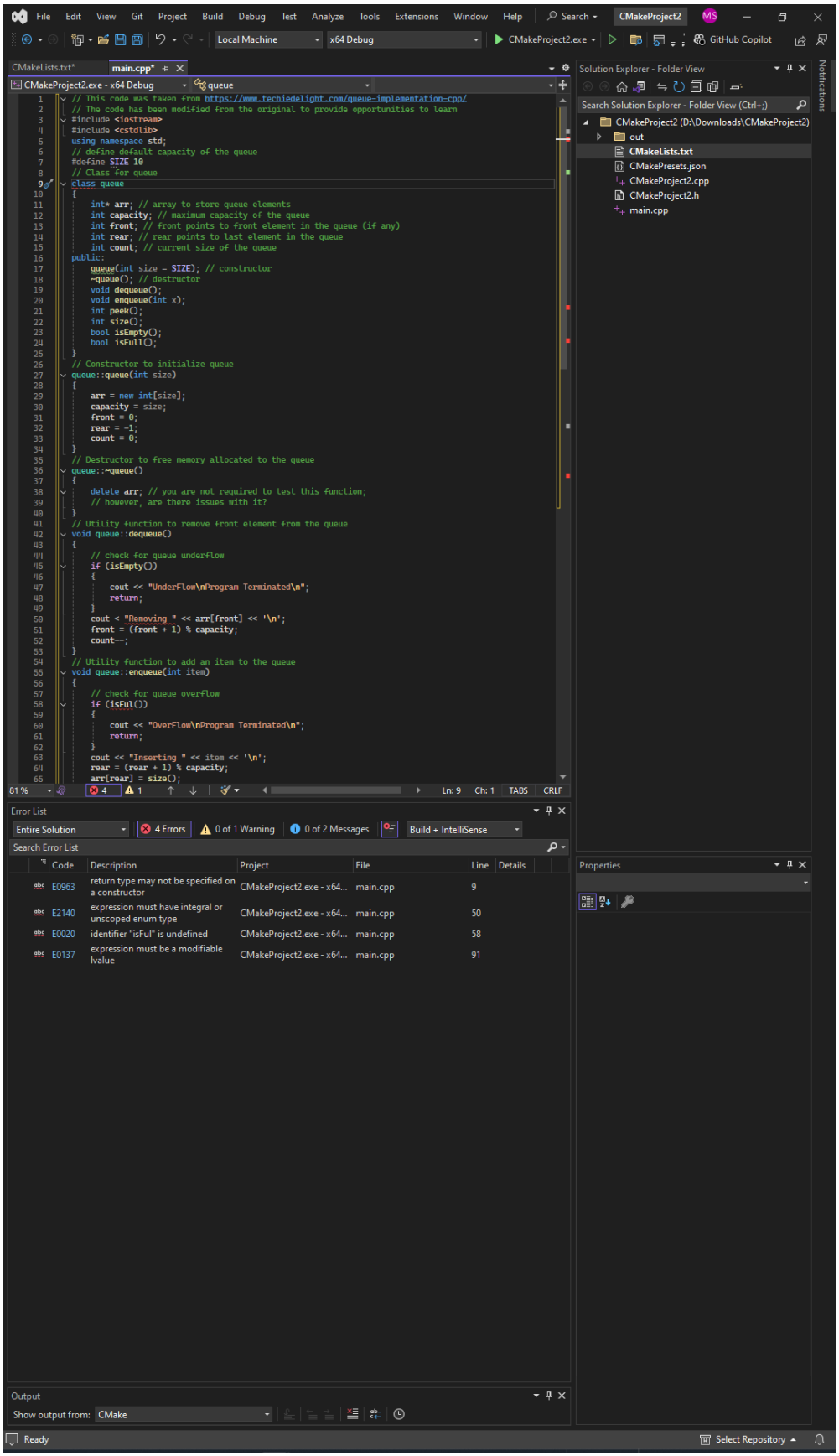
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search
CMakeProject2
Local Machine
x64 Debug
CMakeProject2.exe
GitHub Copilot
CMakeLists.txt*
main.cpp*
CMakeProject2.exe - x64 Debug
queue
// This code was taken from https://www.techiedelight.com/queue-implementation-cpp/
// The code has been modified from the original to provide opportunities to learn
#include <iostream>
#include <cstdlib>
using namespace std;
// define default capacity of the queue
#define SIZE 10
// Class for queue
class queue
{
int* arr; // array to store queue elements
int capacity; // maximum capacity of the queue
int front; // front points to front element in the queue (if any)
int rear; // rear points to last element in the queue
int count; // current size of the queue
public:
queue(int size = SIZE); // constructor
~queue(); // destructor
void dequeue();
void enqueue(int x);
int peek();
int size();
bool isEmpty();
bool isFull();
}
// Constructor to initialize queue
queue::queue(int size)
{
arr = new int[size];
capacity = size;
front = 0;
rear = -1;
count = 0;
}
// Destructor to free memory allocated to the queue
queue::~queue()
{
delete arr; // you are not required to test this function;
// however, are there issues with it?
}
// Utility function to remove front element from the queue
void queue::dequeue()
{
// check for queue underflow
if (isEmpty())
{
cout << "UnderFlow\nProgram Terminated\n";
return;
}
cout < "Removing " << arr[front] << '\n';
front = (front + 1) % capacity;
count--;
}
// Utility function to add an item to the queue
void queue::enqueue(int item)
{
// check for queue overflow
if (isFul())
{
cout << "OverFlow\nProgram Terminated\n";
return;
}
cout << "Inserting " << item << '\n';
rear = (rear + 1) % capacity;
arr[rear] = size();
81 %
4
1
Ln: 9
Ch: 1
TABS
CRLF
Solution Explorer - Folder View
Search Solution Explorer - Folder View (Ctrl+;)
CMakeProject2 (D:\Downloads\CMakeProject2)
out
CMakeLists.txt
CMakePresets.json
CMakeProject2.cpp
CMakeProject2.h
main.cpp
Notifications
Error List
Entire Solution
4 Errors
0 of 1 Warning
0 of 2 Messages
Build + IntelliSense
Search Error List
Code
Description
Project
File
Line
Details
E0963
return type may not be specified on a constructor
CMakeProject2.exe - x64...
main.cpp
9
E2140
expression must have integral or unscoped enum type
CMakeProject2.exe - x64...
main.cpp
50
E0020
identifier "isFul" is undefined
CMakeProject2.exe - x64...
main.cpp
58
E0137
expression must be a modifiable lvalue
CMakeProject2.exe - x64...
main.cpp
91
Properties
Output
Show output from:
CMake
Ready
Select Repository