

Project

(Global Scope)

```
1 // main.cpp - Testing the LongestIncreasingSequence subroutine.
2 #include <iostream>
3 #include "peter_ruszel_longest.h"
4
5 using namespace std;
6
7 int main()
8 {
9     const unsigned ARRAY_SIZE = 14;
10    long array[] = { 0,5,3,2,7,6,9,10,12,11,6,8,9,1 };
11    long result;
12    result = LongestIncreasingSequence(array, ARRAY_SIZE);
13    cout << "The longest increasing sequence is " << result << endl;
14
15    C:\Users\Peter\School\COMSC 260\assignments\Assignment12\260 Assignment 12 Project\Debug\Project.exe
16    The longest increasing sequence is 3
17    Press any key to continue . . .
18 }
```

```
1 // main.cpp - Testing the LongestIncreasingSequence subroutine.
2 #include <iostream>
3 #include "peter_ruszel_longest.h"
4
5 using namespace std;
6
7 int main()
8 {
9     const unsigned ARRAY_SIZE = 12;
10    long array[] = { -1,0,2,4,6,10,0,-2,4,8,16,100 };
11    long result;
12    result = LongestIncreasingSequence(array, ARRAY_SIZE);
13    cout << "The longest increasing sequence is " << result << endl;
14
15    system("PAUSE");
16    return 0;
17 }
18
```

C:\Users\Peter\School\COMSC 260\assignments\Assignment12\260 Assignment 12 Project\Debug\Project.exe

The longest increasing sequence is 3
Press any key to continue . . .

```
1 // main.cpp - Testing the LongestIncreasingSequence subroutine.
2 #include <iostream>
3 #include "peter_ruszel_longest.h"
4
5 using namespace std;
6
7 int main()
8 {
9     const unsigned ARRAY_SIZE = 6;
10    long array[] = { 0,-1,-2,-3,-4,-5 };
11    long result;
12    result = LongestIncreasingSequence(array, ARRAY_SIZE);
13    cout << "The longest increasing sequence is " << result << endl;
14
15    C:\Users\Peter\School\COMSC 260\assignments\Assignment12\260 Assignment 12 Project\Debug\Project.exe
16    The longest increasing sequence is 0
17    Press any key to continue . . .
18 }
```

Project

(Global Scope)

main()

```
1 // main.cpp - Testing the LongestIncreasingSequence subroutine.
2 #include <iostream>
3 #include "peter_ruszel_longest.h"
4
5 using namespace std;
6
7 int main()
8 {
9     const unsigned ARRAY_SIZE = 10;
10    long array[] = { -5,0,-5,0,5,10,20,20,20,19 };
11    long result;
12    result = LongestIncreasingSequence(array, ARRAY_SIZE);
13    cout << "The longest increasing sequence is " << result << endl;
14
15    C:\Users\Peter\School\COMSC 260\assignments\Assignment12\260 Assignment 12 Project\Debug\Project.exe
16    The longest increasing sequence is 4
17    Press any key to continue . . .
18 }
```

```
1 // main.cpp - Testing the LongestIncreasingSequence subroutine.
2 #include <iostream>
3 #include "peter_ruszel_longest.h"
4
5 using namespace std;
6
7 int main()
8 {
9     const unsigned ARRAY_SIZE = 7;
10    long array[] = { 3,3,3,3,3,3,3 };
11    long result;
12    result = LongestIncreasingSequence(array, ARRAY_SIZE);
13    cout << "The longest increasing sequence is " << result << endl;
14
15    C:\Users\Peter\School\COMSC 260\assignments\Assignment12\260 Assignment 12 Project\Debug\Project.exe
16    The longest increasing sequence is 0
17    Press any key to continue . . .
18 }
```