

Lab 3

Part 1

o Print Array

Nested for loop to output 2D array.

Use cout.

o ReplaceWithMinusOne

	Col 0	Col 1	Col 2	Col 3
Row 0	0 _{0,0}	3 _{0,1}	1 _{0,2}	3 _{0,3}
Row 1	0 _{1,0}	2 _{1,1}	3 _{1,2}	4 _{1,3}
Row 2	0 _{2,0}	1 _{2,1}	3 _{2,2}	3 _{2,3}
Row 3	0 _{3,0}	1 _{3,1}	1 _{3,2}	1 _{3,3}

Nested for loop to go through 2D array.

If statement to check if number before and after are the same as each other

For loop inside if statement to replace certain nums in row. Needs set ints.

error * counts 3 from row 1, col 2. Don't know why??
-fixed

Count score before replacing with -1.

Repeat for rows.

o FallDownAndReplace

Nested for loop to go through 2D array.

Check if number = -1. If so replace with number in row above, same column.

Use if/else to determine if row = 0.
If so replace -1 with -2.

Lab 3

Part 2

o FindAllVariables

For Loop to go through code array.

Look for key words 'int', 'char' using same concept as part 1.

error * if (arrayCode[a] = 'i' || arrayCode[a+1] = 'n' ||
arrayCode[a+2] = 't')

Can't compare array[0] to char.

Testing Part 1

Inputs

input1=

0	0	3	1	3	4
0	0	2	3	4	2
0	0	1	3	3	2
0	0	1	1	1	1

input2 =

0	0	0	3	4	2
1	3	1	3	4	4
4	2	0	3	2	0
2	2	2	1	0	1

input3=

2	2	4	0	4	1
2	0	0	1	0	2
3	0	1	4	1	2
1	0	1	3	0	4

input4=

0	0	1	3	2	4
0	1	1	1	1	4
3	2	0	0	3	4
1	2	3	2	0	2

input5=

1	2	3	2	1	0
1	0	4	2	4	1
1	2	0	2	2	4
4	4	3	4	4	3

o Print Array

Input 1 = correct

Input 2 = correct

Input 3 = correct

Input 4 = correct

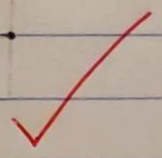
Input 5 = correct

o Replace With Minus One

Input 1

0	0	3	1	3	4
0	0	2	3	4	3
0	0	1	3	3	2
0	0	-1	-1	-1	-1

score: 4



Input 2

0	0	0	-1	4	2
1	3	1	-1	-1	-1
4	2	0	-1	2	0
-1	-1	-1	1	0	1

score: 23

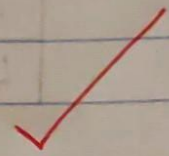
15



Input 3

2	2	4	0	4	1
2	0	0	1	0	2
3	0	1	4	1	2
1	0	1	3	0	4

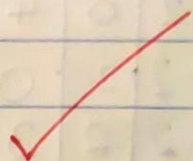
score: 0



Input 4

0	0	1	3	2	-1
0	-1	-1	-1	-1	-1
3	2	0	0	3	-1
1	2	3	2	0	2

score: 16



Input 5

-1	2	3	-1	1	0
-1	0	4	-1	4	1
-1	2	0	-1	2	4
-1	-1	3	-1	-1	3

score: 25

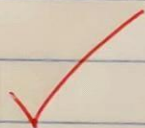
9



o Fall Down And Replace

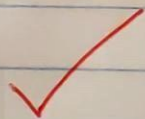
Input 1

0	0	3	1	3	4
0	0	2	3	4	3
0	0	1	3	3	2
0	0	1	3	3	2



Input 2

0	0	0	-2	4	2
1	3	1	-2	4	2
4	2	0	-2	2	0
4	2	0	1	0	1



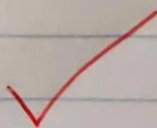
Input 3

2	2	4	0	4	1
2	0	0	1	0	2
3	0	1	4	1	2
1	0	1	3	0	4



Input 4

0	0	1	3	2	-2
0	0	1	3	2	-2
3	2	0	0	3	-2
1	2	3	2	0	2



Input 5

-2	2	3	-2	1	0
-2	0	4	-2	4	1
-2	2	0	-2	2	4
-2	2	3	-2	2	3

1	2	2	1	0	0
1	1	1	1	1	0
1	0	0	0	2	2
2	0	2	2	2	1



Score: 80

0

0	1	1	2	1	2
1	1	1	1	0	1
1	2	1	0	2	1
2	1	1	2	1	1

Follow up And replace

4	2	1	2	0	0
2	1	2	2	0	0
2	2	2	1	0	0
2	2	2	1	0	0

2	1	2	0	0	0
2	1	2	1	2	1
0	2	2	0	2	1
1	0	1	0	2	1

1	1	0	1	2	2
2	0	1	0	0	2
2	1	1	1	0	2
1	0	2	1	0	1

2	2	2	1	0	0
2	2	2	1	0	0
2	2	0	0	2	2
2	0	2	2	2	1