

Bug/Omission List

Omission: (8 in total)

1. myconnectfour : Line 19 : ';' omitted at the end
Solution : Add ';' at the end.
2. myconnectfour : Line 104 : ';' omitted at the end
Solution : Add ';' at the end.
3. myconnectfour : Line 117 : ';' omitted at the end
Solution : Add ';' at the end.
4. myconnectfour : Line 165 : ';' omitted at the end
Solution : Add ';' at the end.
5. myconnectfour : Line 99 : the count should be zero if there is no four consecutive y in a column:
logic error
Solution : Add 'count = 0' in the else condition.
6. myconnectfour : Line 83 : the count should be zero if there is no four consecutive y in a row:
logic error
Solution : Add 'count = 0' in the else condition.
7. myconnectfour : Line 61-100 : the game should check diagonal for consecutive four 'r': logic error
Solution : Add if condition to filter possible starting point and for loop to check four consecutive 'r' in diagonal.
8. myconnectfour : Line 144-183 : the game should check diagonal for consecutive four 'y': logic error
Solution : Add if condition to filter possible starting point and for loop to check four consecutive 'y' in diagonal.

Bug: (22 in total)

1. myconnectfour : Line 4 : name of class is inconsistent with file name : syntax error
Solution : Modify the class name to "MyConnectFour".
2. myconnectfour : Line 153 : wrong spelling of Boolean : syntax error
Solution : Modify 'ture' to 'true'.
3. myconnectfour : Line 161 : misuse operator '=' as equal : syntax error
Solution : Modify '=' to '=='.
4. myconnectfour : Line 117 : redefine the same variable : syntax error
Solution : Reassign variable 'toReturn' rather than redefine its type and assign value.
5. myconnectfour : Line 127 : wrong spelling of array name : syntax error
Solution : Modify 'baord' to 'board'.
6. myconnectfour : Line 26 : misspell the method name : syntax error
Solution : Modify 'getuserInput' to 'getUserInput'.

7. myconnectfour : Line 28 : String entered where int expected : run time error
Solution : Make variable 'move' as the argument.
8. myconnectfour : Line 126 : redundant ';' added : syntax error
Solution : Remove ';'.
9. myconnectfour : Line 148 : input value needs to be converted to fit index range of array : logic error
Solution : Reduce 'position' by 1.
10. myconnectfour : Line 151 : input value needs to be converted to fit index range of array : logic error
Solution : Reduce 'position' by 1.
11. myconnectfour : Line 152 : input value needs to be converted to fit index range of array : logic error
Solution : Reduce 'position' by 1.
12. myconnectfour : Line 126 : loop range smaller than actual array : logic error
Solution : Remove '-1'.
13. myconnectfour : Line 127 : loop range smaller than actual array : logic error
Solution : Remove '-1'.
14. myconnectfour : Line 128 : wrong index variable for array : logic error
Solution : Exchange variable in first bracket with the second.
15. myconnectfour : Line 131 : wrong index variable for array : logic error
Solution : Exchange variable in first bracket with the second.
16. myconnectfour : Line 36 : the game should terminate once the count reaches four : logic error
Solution : Add operator '='.
17. myconnectfour : Line 52 : the game should terminate once the count reaches four : logic error
Solution : Add operator '='.
18. myconnectfour : Line 146 : the index should descend as looping: logic error
Solution : Mend it to be 'i--'.
19. myconnectfour : Line 90 : necessary to go through every element in the array: logic error
Solution : Remove the designated index from the for loop execution condition.
20. myconnectfour : Line 48 : necessary to go through every element in the array: logic error
Solution : Remove the designated index from the for loop execution condition.
21. myconnectfour : Line 107, 110 : print winning message when the player 2 wins: logic error
Solution : Move line 110 to 107.
22. myconnectfour : Line 65 : print winning message when the player 1 wins: logic error
Solution : Add a new line of winning message to line 65.