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Project 2 Question 1

The question asks to make a memory game by utilizing arrays. First, a 2D array must be initialized and randomized to be used as the playing field. Then, the table must be concealed by using a second array of the Boolean data type. This second table will correspond with the randomized table and have a number between 1-4 hidden under a true and false system. For every input the user makes, a value in the second table will temporarily become ‘true’ to reveal the number that it corresponds with, then covered again in the case of a mismatch. In this way, the user has to correctly guess the positions of the matching numbers by entering the row and column number of his choosing. The tricky part was trying to find the invalid inputs the user cannot make and preventing them from doing so. I utilized a do while loop to prevent such a scenario.

A screenshot of a computer

Description automatically generated