Code Overview:

*User Places a Queen*:

When the user places a queen the code looks and makes sure that the inputs of column and row are valid. Then the code checks that the cell is available. A cell can fail availability by there being a queen already present, or the cell being discounted due to the placement of another queen.

Once we are sure of valid input, the code must then mark the cells that are no longer available. In the current rendition of the code, this is done by holding the integer value 2 within the cell array to mark the cell the queen is in and marking all the cells 0 that are in the same column, row, or directly diagonal to the queen.

*User Removes a Queen (Cannot remove a queen if there is not one there)*:

By keeping a library of all queens placed, the computer resets the cell array and then replaces the queens in the manner described in *User Places a Queen*.