HAND IN MODULE 2

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1. TASK 1:

Exercise A
The both of us have already played Tetris, so we'll skip this part.

Exercise B

Implementing the function void Board::reduce() to remove the lines when completed.

Looping over row number i, from top to bottom.

```
void Board::reduce() {
    for(int i = 3; i < 19; i++) {
```

Defining variables to use while looping over j number of columns.

```
        int count = 0;
        int tilecount = 0;
        for(int j = 1; j < 11; j++) {
            if (tiles[j][i] != sf::Color::Black) {
                count++;
```

If all tiles in the row is set to black, looping upward begins, moving each tile in each row one down.

```
            if(count == 10) {
                tilecount = i;
                for(int k = tilecount; k >= 3; k--) {
                    for(int j = 1; j < 11; j++) {
                        tiles[j][k] = tiles[j][k-1];
                    }
                }
                break;
            }
        }
    }
}
```

2. Task 2:

How was this puzzle created? Puzzling.stackexchange.com was utilized to get the correct specifications of the puzzle, and inspiration for the statements to be made by the three people in the encounter.

Knight: Always tells the truth. Knave: Always tells a lie. Spy: Tells either the truth or a lie.

The puzzle involves encountering three different people, person A, B and C.

They all have their own statements:
A: "I am the only knight." B: "Me and A are knights." C: "B is a knave."

Who is the knight, who is the knave, and who is the spy among the three?

Reformulated statements:
A: "B and C are not knights" B: "C is the only one not telling the truth." C: "B is not a knight."

Country List			
Country Name or Area Name	ISO ALPHA 2 Code	ISO ALPHA 3 Code	ISO numeric Code
Afghanistan	AF	AFG	004
Aland Islands	AX	ALA	248
Albania	AL	ALB	008
Algeria	DZ	DZA	012
American Samoa	AS	ASM	016
Andorra	AD	AND	020
Angola	AO	AGO	024

3. Code Appendix: