Othello

This is a strategic game played between two users Clone the project and run the C++ file (suitable for your OS) onto your machine. Please remember the following points before playing the game -- User always goes first and Symbol of user is always 'O'

As you run the C++ file on your machine you will see a 8 by 8 matrix with the center 4 blocks of the matrix preoccupied by two 'X' and two 'O' i.e you will find the following matrix:

To win the game, you have to place your symbol in the matrix in a way that at the end of the game there are more 'O's than 'X'

RULES FOR FLIPPING X's to O's and vide versa

Place your symbol 'O' at a place in the matrix such that there are maximum X's captured between the 'O' your placing and a 'O' that already exists in the matrix. That is a string of the form "O.(any number of X's).O" should be formed. Remember there should not be any '.' between the two 'O's for flipping of X's. Moreover the flipping can take place in any direction, horizontally, vertically, diagonally. For example-- Suppose you place 'O' at the position '*' in the given matrix -

The matrix will result into the following -

Carefully observe the X's that have changed to O's and that have not changed to X's and maybe by now you may no the reason why!!?

Consider another example -

Similarly the Computer will try to capture as many X's as possible. The game ends when there is no one who can make a valid move to win the game.

I Hope the explanation is clear enough!!!