**Tic-tac-toe**

**Level I**

There are two human players.  The program prompts each user for a square to play and updates the board.

1 2 3

4 5 6

7 8 9

Which square, player X?

>5

1 2 3

4 X 6

7 8 9

Which square, player O?

>1

O 2 3

4 X 6

7 8 9

**Level II**

There are two human players.  The program checks for a valid input: between 1 and 9 and not already taken.  When one player gets three in a row, the program prints out the winner.

O O X

4 X X

O 8 9

Which square, player X?

>7

Sorry, that O already took that square.

Which square, player X?

>9

O O X

4 X X

O 8 X

X wins!

**Level III**

The program is one of the players!