Assignment 4 - Exercise 3 Sample Run

July 24, 2021   9:58 PM

Human vs Random Player:

```
Please enter the name of the 'X' player: Sam

What type of player is Sam?
  1: Human
  2: Random Player
  3: Blocking Player
Please enter a number in the range 1-3: 1

Please enter the name of the 'O' player: RandomPlayer

What type of player is RandomPlayer?
  1: Human
  2: Random Player
  3: Blocking Player
Please enter a number in the range 1-3: 2
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
    row 0 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 1 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 2 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
0 0
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
    row 0 |  X  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 1 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 2 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
    row 0 |  X  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 1 |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
    row 2 |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
```

```
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
0 1
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
0 2
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |  X  |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
The game is over. The winner is Sam.
```

Human vs Blocking Player:

```
Please enter the name of the 'X' player: Sam

What type of player is Sam?
  1: Human
  2: Random Player
  3: Blocking Player
Please enter a number in the range 1-3: 1

Please enter the name of the 'O' player: Blocker

What type of player is Blocker?
  1: Human
  2: Random Player
  3: Blocking Player
Please enter a number in the range 1-3: 3
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
0 0
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
```

```
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
0 1
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |  O  |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |     |
          |     |     |     |
          +-----+-----+-----+
Sam, please enter the row and column in which to put a mark. (Enter in the following format: <row> <column>)
2 2
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |  O  |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |     |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |  X  |
          |     |     |     |
          +-----+-----+-----+
          |col 0|col 1|col 2
          +-----+-----+-----+
          |     |     |     |
   row 0  |  X  |  X  |  O  |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 1  |     |  O  |     |
          |     |     |     |
          +-----+-----+-----+
          |     |     |     |
   row 2  |  O  |     |  X  |
          |     |     |     |

The game is over. The winner is Blocker.
```