

Human Player vs Random Player

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$ java Exercise_3.Game

Please enter the name of the 'X' player: Hy

What type of player is Hy?
1: Human
2: Random Player
3: Blocking Player
4: Smart Player
Please enter a number in the range 1-4: 1

Please enter the name of the 'O' player: Random Player

What type of player is Random Player?
1: Human
2: Random Player
3: Blocking Player
4: Smart Player
Please enter a number in the range 1-4: 2

  |col 0|col 1|col 2|
+-----+
row 0 |       |       |       |
+-----+
row 1 |       |       |       |
+-----+
row 2 |       |       |       |
+-----+

X's turn
Enter row:
1
Enter column:
0

  |col 0|col 1|col 2|
+-----+
row 0 |       |       |       |
+-----+
row 1 |  X   |       |       |
+-----+
row 2 |       |       |       |
+-----+
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+-----+-----+-----+
|col 0|col 1|col 2|
+-----+-----+-----+
row 0 |         |         |         |
+-----+-----+-----+
row 1 |  X      |         |         |
+-----+-----+-----+
row 2 |         |         |    O    |
+-----+-----+-----+
X's turn
Enter row:
0
Enter column:
0
+-----+-----+-----+
|col 0|col 1|col 2|
+-----+-----+-----+
row 0 |  X      |         |         |
+-----+-----+-----+
row 1 |  X      |         |         |
+-----+-----+-----+
row 2 |         |         |    O    |
+-----+-----+-----+
|col 0|col 1|col 2|
+-----+-----+-----+
row 0 |  X      |         |    O    |
+-----+-----+-----+
row 1 |  X      |         |         |
+-----+-----+-----+
row 2 |         |         |    O    |
+-----+-----+-----+
X's turn
Enter row:
1
Enter column:
2
```

	col 0	col 1	col 2
row 0	X		O
row 1	X		X
row 2			O

	col 0	col 1	col 2
row 0	X		O
row 1	X		X
row 2	O		O

X's turn

Enter row:

0

Enter column:

2

Your move has been played!

Enter row:

1

Enter column:

1

	col 0	col 1	col 2
row 0	X		O
row 1	X	X	X
row 2	O		O

Player X aka Hy wins!

Human Player verses Blocking Player

```
$ java Exercise_3.Game

Please enter the name of the 'X' player: Hy

What type of player is Hy?
 1: Human
 2: Random Player
 3: Blocking Player
 4: Smart Player
Please enter a number in the range 1-4: 1

Please enter the name of the 'O' player: Blocking Player

What type of player is Blocking Player?
 1: Human
 2: Random Player
 3: Blocking Player
 4: Smart Player
Please enter a number in the range 1-4: 3

  |col 0|col 1|col 2|
+-----+-----+
row 0 |       |       |       |
+-----+-----+
row 1 |       |       |       |
+-----+-----+
row 2 |       |       |       |
+-----+-----+

X's turn
Enter row:
0
Enter column:
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  |   |   |  0 |
+-----+
row 2  |   |   |   |
+-----+
X's turn
Enter row:
1
Enter column:
0
+-----+
|col 0|col 1|col 2|
+-----+
row 0  |  X  |   |   |
+-----+
row 1  |  X  |   |  0 |
+-----+
row 2  |   |   |   |
+-----+
+-----+
|col 0|col 1|col 2|
+-----+
row 0  |  X  |   |   |
+-----+
row 1  |  X  |   |  0 |
+-----+
row 2  |  0  |   |   |
+-----+
X's turn
Enter row:
1
Enter column:
1

```

	col 0	col 1	col 2
row 0	X		
row 1	X	X	0
row 2	0		
	col 0	col 1	col 2
row 0	X		
row 1	X	X	0
row 2	0		0

X's turn

Enter row:

0

Enter column:

2

	col 0	col 1	col 2
row 0	X		X
row 1	X	X	0
row 2	0		0
	col 0	col 1	col 2
row 0	X	0	X

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      |col 0|col 1|col 2|
      +---+---+---+
row 0 |  X  |  O  |  X  |
      +---+---+---+
row 1 |  X  |  X  |  O  |
      +---+---+---+
row 2 |  O  |      |  O  |
      +---+---+---+
X's turn
Enter row:
2
Enter column:
1
      |col 0|col 1|col 2|
      +---+---+---+
row 0 |  X  |  O  |  X  |
      +---+---+---+
row 1 |  X  |  X  |  O  |
      +---+---+---+
row 2 |  O  |  X  |  O  |
      +---+---+---+
It's a tie!

```

Human Player verses Smart Player

```

$ java Exercise_3.Game

Please enter the name of the 'X' player: Hy

What type of player is Hy?
  1: Human
  2: Random Player
  3: Blocking Player
  4: Smart Player
Please enter a number in the range 1-4: 1

Please enter the name of the 'O' player: Smart Player

What type of player is Smart Player?
  1: Human
  2: Random Player
  3: Blocking Player
  4: Smart Player
Please enter a number in the range 1-4: 4

  |col 0|col 1|col 2|
+-----+-----+-----+
row 0 |         |         |         |
+-----+-----+-----+
row 1 |         |         |         |
+-----+-----+-----+
row 2 |         |         |         |
+-----+-----+-----+

X's turn
Enter row:
1
Enter column:
1

  |col 0|col 1|col 2|
+-----+-----+-----+
row 0 |         |         |         |
+-----+-----+-----+
row 1 |         |   X   |         |
+-----+-----+-----+
row 2 |         |         |         |
+-----+-----+-----+

```


	col 0	col 1	col 2
row 0			0
row 1		X	
row 2			

X's turn

Enter row:

2

Enter column:

1

	col 0	col 1	col 2
row 0			0
row 1		X	
row 2		X	

	col 0	col 1	col 2
row 0		0	0
row 1		X	
row 2		X	

X's turn

Enter row:

1

Enter column:

0

	col 0	col 1	col 2
row 0		0	0
row 1	X	X	
row 2		X	
	col 0	col 1	col 2
row 0	0	0	0
row 1	X	X	
row 2		X	

Player 0 aka Smart Player wins!