

CheckerBoard(int aDimension) – testCheckerBoard_Con_8x8

Input: aDimension = 8

State: N/A

Output:

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

CheckerBoard(int aDimension) – testCheckerBoard_Con_12x12

Input: aDimension = 12

State: N/A

Output:

State:

X	*	X	*	X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*	X	*	X	*
*		*		*		*		*		*	
	*		*		*		*		*		*
*	O	*	O	*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*	O	*	O	*

	*	0	*	0	*	0	*	0	*	0	*	0
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CheckerBoard(int aDimension) – testCheckerboard_Con_16x16

Input: aDimension = 16

State: N/A

Output:

State:

[illegible]

whatsAtPos(BoardPosition pos) – testWhatsAtPos_MinRow_MaxCol_Black_Tile

Input: pos = (0, 7)				Output: '*'			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

whatsAtPos(BoardPosition pos) – testWhatsAtPos_MaxRow_MaxCol_Player_Piece_o

Input: pos = (7, 7)				Output: 'o'			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*

*	o	*	o	*	o	*	o		*	o	*	o	*	o	*	o
---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---

whatsAtPos(BoardPosition pos) – testWhatsAtPos_MaxRow_MinCol_Black_Tile

Input: pos = (7, 0)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: '*'

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

```
whatsAtPos(BoardPosition pos) – testWhatsAtPos_MinRow_MinCol_Player_Piece_x
```

Input: pos = (0, 0)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: 'x'

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

whatsAtPos(BoardPosition pos) – testWhatsAtPos_Row4_Col4_Empty_Space

Input: pos = (4, 4)				Output: ' '			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

placePiece(BoardPosition pos, char player) – testPlacePiece_Row0_Col0_blank

Input: pos = (0, 0), player = 'X'				Output: void			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

```
placePiece(BoardPosition pos, char player) – testPlacePiece_Row15_Col15_x
```

Input: pos = (15, 15), player = 'x'

State:

[illegible]

Output: void

State:

[illegible]


```
placePiece(BoardPosition pos, char player) – testPlacePiece_Row1_Col15_blank
```

Input: pos = (1, 15), player = ' '

State:

[illegible]

Output: void

State:

[illegible]

```
placePiece(BoardPosition pos, char player) – testPlacePiece_Row15_Col1_blank
```

Input: pos = (15, 1), player = ' '

State:

[illegible]

Output: void

State:

[illegible]

placePiece(BoardPosition pos, char player) – testPlacePiece_Row0_Col1_blank

<p>Input: pos = (0, 1), player = ' '</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O	<p>Output: void</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O
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placePiece(BoardPosition pos, char player) – testPlacePiece_Row3_Col1_x

<p>Input: pos = (3, 1), player = 'x'</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O	<p>Output: void</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*	X	*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O
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getPieceCounts(void) – testGetPieceCounts_Num_Of_Pieces_12

Input: N/A				Output: Gets Hashmap with the player's corresponding pieces and the number of pieces each player has: 'x' = 12 and 'o' = 12			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

getViableDirections(void) – testGetViableDirections

Input: N/A				Output: Gets HashMap holding the directions that each player can move.			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*

*	o	*	o	*	o	*	o	*	o	*	o	*	o	*	o
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addViableDirections(char player, DirectionEnum dir) – testAddViableDirections_player_x_SW_

<p>Input: player = 'x' dir = DirectionEnum.SW</p> <p>State: viableDirections Hashmap 'x' = emptyArrayList 'o' = emptyArrayList 'X' = emptyArrayList 'O' = emptyArrayList</p>	<p>Output: Player x can move SW</p> <p>State: viableDirections Hashmap 'x' = DirectionEnum.SW 'o' = emptyArrayList 'X' = emptyArrayList 'O' = emptyArrayList</p>
--	--

getRowNum(void) – testGetRowNum_Size_8x8

Input: N/A

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: 8

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

getColNum(void) – testGetColNum_Size_8x8

Input: N/A				Output: 8			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

checkPlayerWin(Character player) – testCheckPlayerWin_x_defaultBoard

Input: player = 'x'				Output: false			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

checkPlayerWin(Character player) – testCheckPlayerWin_o_no_X

Input: player = 'o'				Output: true			
State:				State:			
	*		*		*		*
*		*		*		*	
	*		*		*		*
*		*		*		*	
	*		*		*		*
*	o	*	o	*	o	*	o
o	*	o	*	o	*	o	*
*	o	*	o	*	o	*	o

crownPiece(BoardPosition posOfPlayer) – testCrownPiece_Size_8x8_Row_0_Col_0

Input: posOfPlayer = (0,0)				Output: piece at 0, 0 is capitalized (crowned)			
State:				State:			
X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	o	*	o	*	o	*	o
o	*	o	*	o	*	o	*
*	o	*	o	*	o	*	o

crownPiece(BoardPosition posOfPlayer) – testCrownPiece_Size_16x16_Row_15_Col_15

Input: posOfPlayer = (15,15)

State:

[illegible]

Output: Piece at BoardPosition 15, 15 is capitalized (crowned)

State:

[illegible]

crownPiece(BoardPosition posOfPlayer) – testCrownPiece_Size_8x8_blackTile_Row_3_Col_0

Input: posOfPlayer = (3,0)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: Black tile at BoardPosition
3,0 is not capitalized (crowned)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

crownPiece(BoardPosition posOfPlayer) – testCrownPiece_Size_8x8_Row_0_Col_4

Input: posOfPlayer = (0,4)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: Piece at BoardPosition 0,4 is capitalized (crowned)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

movePiece(BoardPosition startingPos, DirectionEnum dir) – testMovePiece_Size_8x8_blackTile

<p>Input: startingPos.row = 3 startingPos.col = 2 dir = DirectionEnum.SE</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O	<p>Output: The black tile at BoardPosition 3,2 has moved to 4,3. 3,2 is now blank.</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td></td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*				*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O
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movePiece(BoardPosition startingPos, DirectionEnum dir) – testMovePiece_Size_8x8_player2

<p>Input: startingPos.row = 5 startingPos.col = 1 dir = DirectionEnum.NE</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	<p>Output: The piece at BoardPosition 5,1 has moved to 4,2. 5,1 is now blank.</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td>O</td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> </table>				X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*	O	*		*		*	*		*	O	*	O	*	O	O	*	O	*	O	*	O	*
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O	*	O	*	O	*	O	*																																																																																																																

Input: pos = (2, 0), dir = SE								Output:							
State:								State:							
X	*	X	*	X	*	X	*	X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X	*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*	*	*	X	*	X	*	X	*
*	O	*		*		*		*		*		*		*	
	*		*		*		*		*	X	*		*		*
*		*	O	*	O	*	O	*		*	O	*	O	*	O

o	*	o	*	o	*	o	*
*	o	*	o	*	o	*	o
				O piece count = 11			

jumpPiece(BoardPosition startingPos, DirectionEnum dir) –
testJumpPiece_Row_5_Col_3_SW_crown

Input: pos = (5, 3), dir = SW				Output:			
State:				State:			
x	*	x	*	x	*	x	*
*	x	*	x	*	x	*	x
	*	x	*	x	*	x	*
*		*		*		*	
	*		*		*		*
*	o	*	x	*	o	*	o
o	*	o	*	o	*	o	*
*		*	o	*	o	*	o
				O piece count = 9 X crown piece			

jumpPiece(BoardPosition startingPos, DirectionEnum dir) –
testJumpPiece_Row_2_Col_2_NW_crown

Input: pos = (2, 0), dir = SE				Output:			
State:				State:			
	*	x	*	x	*	x	*
*	x	*	x	*	x	*	x
x	*	o	*	x	*	x	*
*		*		*		*	

*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0
									0	*	0	*	0	*	0	*
									*	0	*	0	*	0	*	0

scanSurroundingPositions(BoardPosition startingPos) –
testScanSurroundingPositions_Row_0_Col_0

Input: startingPos = (0,0)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output: DirectionEnum.SE = 'x'
DirectionEnum.SW = null
DirectionEnum.NE = null
DirectionEnum.NW = null

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

scanSurroundingPositions(BoardPosition startingPos) –
 testScanSurroundingPositions_Row_1_Col_3

Input: startingPos = (1,3)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output:DirectionEnum.SE = 'x'
 DirectionEnum.SW = 'x'
 DirectionEnum.NE = 'x'
 DirectionEnum.NW = 'x'

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

scanSurroundingPositions(BoardPosition startingPos) –
testScanSurroundingPositions_Row_0_Col_7

Input: startingPos = (0,7)

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

Output:DirectionEnum.SE = 'null'

DirectionEnum.SW = '*'

DirectionEnum.NE = 'null'

DirectionEnum.NW = 'null'

State:

X	*	X	*	X	*	X	*
*	X	*	X	*	X	*	X
X	*	X	*	X	*	X	*
*		*		*		*	
	*		*		*		*
*	O	*	O	*	O	*	O
O	*	O	*	O	*	O	*
*	O	*	O	*	O	*	O

scanSurroundingPositions(BoardPosition startingPos) –
testScanSurroundingPositions_Row_2_Col_0

<p>Input: startingPos = (2,0)</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>								X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O
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*	O	*	O	*	O	*	O																																																																
<p>Output: DirectionEnum.SE = '' DirectionEnum.SW = 'null' DirectionEnum.NE = 'x' DirectionEnum.NW = 'null'</p> <p>State:</p> <table border="1"> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td></tr> <tr><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td><td>X</td><td>*</td></tr> <tr><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td></tr> <tr><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td><td></td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> <tr><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td></tr> <tr><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td><td>*</td><td>O</td></tr> </table>								X	*	X	*	X	*	X	*	*	X	*	X	*	X	*	X	X	*	X	*	X	*	X	*	*		*		*		*			*		*		*		*	*	O	*	O	*	O	*	O	O	*	O	*	O	*	O	*	*	O	*	O	*	O	*	O
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*	O	*	O	*	O	*	O																																																																

getDirection(DirectionEnum dir) – testGetDirection_SE

<p>Input: dir = DirectionEnum.SE</p> <p>State: N/A</p>				<p>Output: BoardPosition b.row = 1 BoardPosition b.col = 1</p> <p>State: N/A</p>			
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What tests did each team member write? Just tell me the names of the functions (unless for some reason multiple team members wrote functions for the same method. In that case, tell me which tests specifically by giving me the test names)

[member 1] Jarrett Wilson	GetColNum (1) Checkerboard(3) scanSurroundingPositions(5) addViableDirections(1)
[member 2] Will Lovin	GetRowNum (1) movePiece (3) crownPiece (4) getDirection (1) getViableDirections (1)
[member 3] Curren Patel	GetPieceCounts (1) whatsAtPos (5) checkPlayerWin(2) playerLostPieces(1)
[member 4] Michael Funchess	jumpPiece(3) placePiece(6)