CheckerBoard(int aDimension) – testCheckerBoard_Con_8x8

Input: aDimension = 8

State: N/A

Output:

State:

State	7.						
х	*	Х	*	х	*	Х	*
*	х	*	Х	*	х	*	Х
х	*	х	*	х	*	х	*
*		*		*		*	
	*		*		*		*
*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0

CheckerBoard(int aDimension) – testCheckerBoard_Con_12x12

Input: aDimension = 12

State: N/A

Output:

Sta	te:										
x	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х
x	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х
x	*	х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*	
	*		*		*		*		*		*
*	o	*	o	*	o	*	o	*	0	*	0
О	*	o	*	o	*	0	*	o	*	0	*
*	o	*	o	*	0	*	o	*	0	*	0
О	*	0	*	0	*	0	*	0	*	0	*

*	o	*	o	*	0	*	0	*	0	*	О

CheckerBoard(int aDimension) – testCheckerboard_Con_16x16

Input: aDimension = 16

State: N/A

Output:

<u>Stat</u>	<u> </u>														
X	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	o
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	o	*	0	*	0	*	0	*	0	*	0	*	0	*	o
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

 $whats At Pos(Board Position\ pos)-test Whats At Pos_MinRow_MaxCol_Black_Tile$

Input: p	os	= (0,	7)					Outp		*'					
State:								State	e:						
x *	4	х	*	Х	*	Х	*	х	*	х	*	х	*	х	*
* >	<	*	Х	*	Х	*	х	*	х	*	Х	*	х	*	х
x *	k	Х	*	Х	*	Х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
*	*		*		*		*		*		*		*		*
* 0		*	0	*	0	*	0	*	0	*	0	*	0	*	0
0 *	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
* 0		*	0	*	0	*	0	*	0	*	0	*	0	*	0

 $whats At Pos(Board Position\ pos)-test Whats At Pos_MaxRow_MaxCol_Player_Piece_o$

I	nput	: pos	= (7,	, 7)					Outp	out: '	0'						
;	State	: :							State	e:							
	Х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	
	*	Х	*	Х	*	Х	*	Х	*	х	*	Х	*	х	*	Х	
	X	*	Х	*	Х	*	Х	*	х	*	х	*	х	*	Х	*	
	*		*		*		*		*		*		*		*		
		*		*		*		*		*		*		*		*	
	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	

*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
												-				

 $whats At Pos(Board Position\ pos)-test Whats At Pos_MaxRow_MinCol_Black_Tile$

Input	:: pos	s = (7	, 0)					Outp	out: '	*'					
State	: :							State	e:						
х	*	х	*	Х	*	Х	*	х	*	х	*	х	*	х	*
*	х	*	Х	*	Х	*	х	*	х	*	х	*	х	*	х
x	*	х	*	Х	*	Х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	O	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

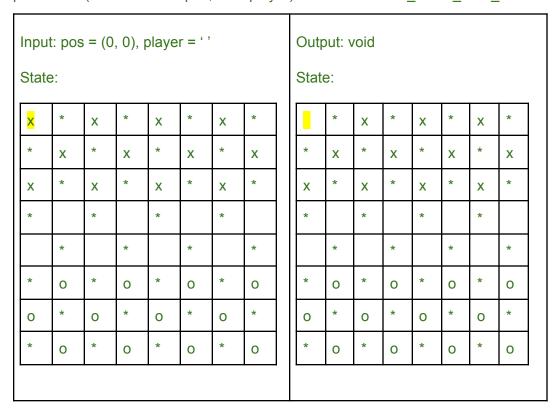
whatsAtPos(BoardPosition pos) – testWhatsAtPos_MinRow_MinCol_Player_Piece_x

Inpu	ıt: pos	= (0	, 0)					Outp	out: '	x'						
Sta	e:							State	e :							
×	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	
х	*	х	*	х	*	х	*	х	*	х	*	х	*	Х	*	
*		*		*		*		*		*		*		*		
	*		*		*		*		*		*		*		*	
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	
*	О	*	0	*	0	*	О	*	0	*	0	*	0	*	0	
	-								_							

whatsAtPos(BoardPosition pos) - testWhatsAtPos_Row4_Col4_Empty_Space

Input State		= (4,	, 4)					Outp State		,					
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	Х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	Х	*	Х	*	Х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

placePiece(BoardPosition pos, char player) – testPlacePiece_Row0_Col0_blank



$place Piece (Board Position\ pos,\ char\ player) - test Place Piece _Row 15_Col 15_x$

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

State:

х	*	x	*	x	*	x	*	x	*	x	*	Х	*	x	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
Х	*	х	*	х	*	х	*	х	*	х	*	Х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	Х
х	*	х	*	х	*	х	*	х	*	х	*	X	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	Х
х	*	х	*	х	*	х	*	х	*	х	*	Х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

Output: void

х	*	X	*	X	*	X	*	x	*	X	*	X	*	X	*
*	х	*	х	*	х	*	Х	*	х	*	х	*	х	*	Х
Х	*	х	*	х	*	X	*	X	*	х	*	Х	*	х	*
*	Х	*	х	*	Х	*	Х	*	Х	*	х	*	Х	*	Х
х	*	Х	*	х	*	Х	*	Х	*	Х	*	Х	*	Х	*
*	Х	*	х	*	Х	*	Х	*	Х	*	х	*	Х	*	х
Х	*	х	*	х	*	Х	*	Х	*	х	*	Х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	X

placePiece(BoardPosition pos, char player) – testPlacePiece_Row1_Col15_blank

																$\overline{}$																
Inpi	ut: p	os =	= (1	, 15), p	laye	er =	. ,									Out	put	: vo	id												
Sta	te:																Sta	te:														
Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*		Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*
*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	X		*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	
Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*		Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*
*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х		*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	х
Х	*	х	*	Х	*	х	*	х	*	Х	*	Х	*	Х	*		Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*
*	Х	*	х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х		*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	х	*	х
Х	*	х	*	Х	*	х	*	х	*	Х	*	Х	*	Х	*		Х	*	Х	*	х	*	Х	*	Х	*	Х	*	Х	*	Х	*
*		*		*		*		*		*		*		*			*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*			*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*		0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*		0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*		0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

placePiece(BoardPosition pos, char player) – testPlacePiece_Row15_Col1_blank

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

State:

Х	*	Х	*	X	*	Х	*	Х	*	Х	*	X	*	Х	*
*	X	*	Х	*	X	*	Х	*	X	*	X	*	Х	*	х
Х	*	Х	*	X	*	Х	*	Х	*	Х	*	X	*	Х	*
*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	х
Х	*	Х	*	X	*	Х	*	Х	*	X	*	X	*	X	*
*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	Х	*	х
Х	*	Х	*	X	*	Х	*	Х	*	Х	*	X	*	Х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

Output: void

х	*	х	*	X	*	х	*	х	*	х	*	X	*	X	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	Х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	X
x	*	x	*	X	*	X	*	X	*	x	*	X	*	X	*
*	x	*	x	*	x	*	Х	*	x	*	x	*	Х	*	Х
х	*	х	*	X	*	Х	*	Х	*	х	*	X	*	X	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*		*	0	*	0	*	0	*	0	*	0	*	0	*	0

placePiece(BoardPosition pos, char player) – testPlacePiece_Row0_Col1_blank

Input: pos = (0, 1), player = ' ' Output: void State: State: Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ Х Χ Χ Х Χ Χ Χ Χ Χ Χ Χ Χ Χ 0

 $place Piece (Board Position\ pos,\ char\ player) - test Place Piece _Row3_Col1_x$

Input: pos = (3, 1), player = 'x'Output: void State: State: Χ Χ Χ Χ Χ Χ Χ Х Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ X 0

$getPieceCounts(void) - testGetPieceCounts_Num_Of_Pieces_12$

Input	:: N/A								Outp							
State	e:								playethe rhas:	numb	oer o	f pie	ces e	each		
х	*	Х	*	Х	*	Х	*		State	e :						
*	х	*	Х	*	х	*	х		х	*	х	*	х	*	х	*
х	*	Х	*	Х	*	Х	*		*	х	*	х	*	х	*	х
*		*		*		*			х	*	х	*	х	*	х	*
	*		*		*		*		*		*		*		*	
*	0	*	0	*	0	*	o			*		*		*		*
0	*	0	*	0	*	0	*		*	0	*	0	*	0	*	0
*	0	*	0	*	0	*	О		0	*	0	*	0	*	0	*
									*	0	*	0	*	0	*	0
ıetVia	ableD	irecti	ons(\	oid)	– tes	tGet\	/iablel	Di	rectio	ons						

Input	:: N/A							Outp								e.
State) :							State	e:							
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	
*	Х	*	Х	*	Х	*	Х	*	х	*	Х	*	х	*	х	
х	*	Х	*	Х	*	Х	*	х	*	х	*	х	*	х	*	
*		*		*		*		*		*		*		*		
	*		*		*		*		*		*		*		*	
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
О	*	0	*	0	*	0	*	О	*	0	*	0	*	0	*	

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

addViableDirections(char player, DirectionEnum dir) - testAddViableDirections_player_x_SW_

Input: player = 'x'

dir = DirectionEnum.SW

State:

viableDirections Hashmap

'x' = emptyArrayList

'o' = emptyArrayList

'X' = emptyArrayList

'O' = emptyArrayList

Output: Player x can move SW

State:

viableDirections Hashmap

'x' = DirectionEnum.SW

'o' = emptyArrayList

'X' = emptyArrayList

'O' = emptyArrayList

getRowNum(void) - testGetRowNum_Size_8x8

Input: N/A

State:

х	*	х	*	х	*	х	*
*	Х	*	Х	*	Х	*	х
х	*	Х	*	Х	*	Х	*
*		*		*		*	
	*		*		*		*
*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0

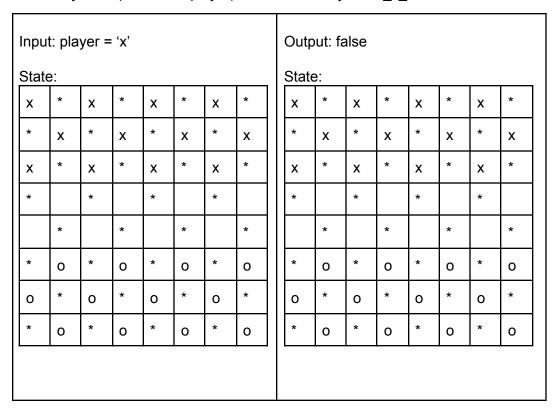
Output: 8

Х	*	Х	*	Х	*	Х	*
*	х	*	Х	*	х	*	Х
Х	*	Х	*	х	*	Х	*
*		*		*		*	
	*		*		*		*
*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0

getColNum(void) - testGetColNum_Size_8x8

Input	:: N/A	\						Outp	out: 8	3					
State	e:							State	e:						
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	Х	*	Х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
															•

 $check Player Win (Character\ player) - test Check Player Win_x_default Board$



checkPlayerWin(Character player) - testCheckPlayerWin_o_no_X

Input	t: play	/er =	ʻo'					(Outp	out: t	rue						
State	e:							5	State	e:							_
	*		*		*		*			*		*		*		*	
*		*		*		*			*		*		*		*		
	*		*		*		*	ľ		*		*		*		*	
*		*		*		*			*		*		*		*		
	*		*		*		*			*		*		*		*	
*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0	
0	*	0	*	0	*	0	*		0	*	0	*	0	*	0	*	
*	0	*	0	*	0	*	О		*	0	*	0	*	0	*	0	
																	-

 $crown Piece (Board Position\ posOfPlayer) - testCrown Piece_Size_8x8_Row_0_Col_0$

Input: posOfPlayer = (0,0) Output: piece at 0, 0 is capitalized (crowned) State: State: Х Χ Χ Χ Χ Χ Χ Χ Χ Χ Х Χ Х Х Χ Χ Χ Χ Χ Χ Χ Χ 0

$crown Piece (Board Position\ pos Of Player) - test Crown Piece_Size_16x16_Row_15_Col_15$

Input: posOfPlayer = (15,15)

State:

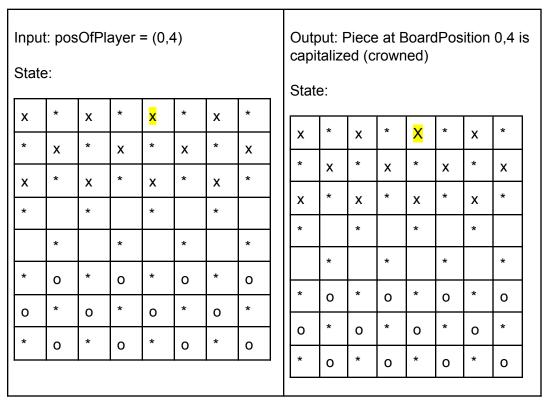
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	Х	*	х	*	х	*	х	*	Х	*	х
х	*	х	*	Х	*	Х	*	Х	*	х	*	Х	*	Х	*
*	х	*	х	*	Х	*	х	*	х	*	х	*	Х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	Х	*	х	*	х	*	х	*	Х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	o
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	О
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	О
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

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

х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х	*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*	х	*	х	*	х	*	х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	О
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	o
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	o	*	0	*	o	*	0	*	o	*	0	*	О
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0

Input	-	ofPl	ayer	= (3,	0)				s no		k tile oitaliz				
х	*	х	*	x	*	x	*		*		*		T *	<u> </u>	· ·
*	х	*	х	*	х	*	х	X	<u> </u>	Х	<u> </u>	Х	<u> </u>	Х	<u> </u>
	*		*		*		*	*	х	*	х	*	х	*	x
Х		Х	<u> </u>	Х	<u> </u>	Х		ll _x	*	x	*	х	*	х	*
*		*		*		*		1				-			
	*		*		*		*	* 		*		*		*	
-				<u> </u>		+	\vdash		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
О	*	0	*	0	*	0	*		0		0				
*		*		*		*		0	*	0	*	0	*	0	*
	0		0		0		0	*	0	*	0	*	0	*	0
]	<u> </u>	<u> </u>				

 $crown Piece (Board Position\ posOfPlayer) - testCrown Piece_Size_8x8_Row_0_Col_4$



movePiece(BoardPosition startingPos, DirectionEnum dir) – testMovePiece_Size_8x8_blackTile

start	t: sta ingPo Dire	os.co	I = 2		3				Boa	rdPo s no					/ed t	o 4,3.
х	*	х	*	х	*	х	*		х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х		*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*		х	*	х	*	х	*	х	*
*		*		*		*			*				*		*	
	*		*		*		*			*		*		*		*
*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0
o	*	0	*	0	*	0	*		0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0		*	0	*	0	*	0	*	0
move	Piece	e(Boa	ardPo	sition	n star	tinaP	os, Di	_ re	ction	Enu	m dii	r) – t	estM	lovel	Piece	E Size

 $move Piece (Board Position\ starting Pos,\ Direction Enum\ dir)-test Move Piece_Size_8x8_player 2$

Input: startingPos.row = 5 startingPos.col = 1 dir = DirectionEnum.NE

State:

х	*	х	*	х	*	х	*
*	х	*	х	*	х	*	х
х	*	х	*	х	*	х	*
*		*		*		*	
	*		*		*		*
*	O	*	0	*	0	*	0
О	*	0	*	0	*	0	*

Output: The piece at BoardPosition 5,1 has moved to 4,2. 5,1 is now blank.

1								
	х	*	х	*	х	*	х	*
	*	х	*	х	*	х	*	х
	х	*	х	*	х	*	х	*
	*		*		*		*	
		*	0	*		*		*
	*		*	0	*	0	*	0
	0	*	0	*	o	*	0	*

*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
			-			-										

movePiece(BoardPosition startingPos, DirectionEnum dir) – testMovePiece_Size_8x8_player1

Input: startingPos.row = 2 startingPos.col = 0 dir = DirectionEnum.SE

State:

*	х	*	Х	*	Х	*
,					^	
Х	*	х	*	Х	*	Х
*	Х	*	Х	*	Х	*
	*		*		*	
*		*		*		*
0	*	0	*	0	*	0
*	0	*	0	*	0	*
0	*	0	*	0	*	0
	* O *	* * * * * * * * * * * * *	* * * O * O *	* * * * * * * * * * * * * * * * * * *	* * * * * * O * O * O * O * O * O * O *	* * * * * * * * * * * * * * * * * * *

Output: The piece at BoardPosition 2,0 has moved to 3,1. 2,0 is now blank.

State:

* X *	x * X	* X	x * x	* X *	x * X	* X *
*	х		х		х	
		*		*		*
X	*		*			
					*	
*		*		*		*
0	*	0	*	0	*	0
*	0	*	0	*	0	*
0	*	0	*	0	*	0
	0	0 * * 0	0 * 0	0 * 0 *	0 * 0 * 0	0 * 0 * 0 * 0

jumpPiece(BoardPosition startingPos, DirectionEnum dir) – testJumpPiece_Row_2_Col_0_SE

Input: pos = (2, 0), dir = SE

State	e:						
х	*	Х	*	X	*	X	*
*	х	*	Х	*	Х	*	х
×	*	Х	*	Х	*	Х	*
*	0	*		*		*	
	*		*		*		*
*		*	О	*	О	*	0

Output:

ı	State) :						
	Х	*	Х	*	Х	*	Х	*
	*	Х	*	Х	*	Х	*	Х
		*	Х	*	Х	*	Х	*
	*		*		*		*	
		*	X	*		*		*
	*		*	0	*	0	*	0

0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
			-				O pie	ece (coun	t = 1	1				

jumpPiece(BoardPosition startingPos, DirectionEnum dir) – testJumpPiece_Row_5_Col_3_SW_crown

Inpu	t: pos	s = (5	5, 3), (dir = :	SW			Out	tput:						
State	e:							Sta	te:						
х	*	х	*	х	*	х	*	x	*	х	*	Х	*	Х	*
*	х	*	х	*	Х	*	х	*	х	*	х	*	х	*	х
	*	х	*	х	*	х	*		*	Х	*	х	*	Х	*
*		*		*		*		*		*		*		*	
	*		*		*		*		*		*		*		*
*	0	*	X	*	0	*	0	*	0	*		*	0	*	0
0	*	0	*	0	*	0	*	0	*		*	0	*	0	*
*		*	0	*	0	*	0	*	X	*		*	0	*	0
								Ор	iece	coun	t = 9		-	•	

X crown piece

jumpPiece(BoardPosition startingPos, DirectionEnum dir) – testJumpPiece_Row_2_Col_2_NW_crown

Input	nput: pos = (2, 0), dir = SE								Output:								
State	tate:									State:							
	*	x	*	x	*	x	*		O	*	х	*	х	*	х	*	
*	х	*	х	*	х	*	х		*		*	х	*	х	*	х	
х	*	O	*	х	*	х	*		х	*		*	х	*	х	*	
*		*		*		*			*		*		*		*		

	*		*		*		*		*		*		*		*	
*		*	0	*	0	*	0	*		*	0	*	0	*	0	
0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0	
								X pie	ece c	count	t = 9					•

playerLostPieces(int numPieces, char player, HashMap pieceCounts) – testPlayerLostPieces_Remove_1_x

Input: numPieces = 1 player = 'x'

State:

pieceCounts HashMap

'x' = 12 'o' = 12 Output: The number of pieces for player 'x' have decreased by 1 and the new value of the remaining pieces becomes stored in the pieceCounts HashMap

State:

pieceCounts HashMap

'x' = 11 'o' = 12

scanSurroundingPositions(BoardPosition startingPos) – testScanSurroundingPositions_Row_7_Col_7

Input: startingPos = (7,7)

State:

١,	State	·						
	х	*	х	*	x	*	х	*
	*	Х	*	Х	*	Х	*	х
	Х	*	х	*	Х	*	х	*
	*		*		*		*	
		*		*		*		*
	*	0	*	0	*	0	*	0
	0	*	0	*	0	*	0	*

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

\simeq	race	<u>, </u>						
	X	*	Х	*	Х	*	х	*
	*	Х	*	Х	*	х	*	х
	Х	*	х	*	Х	*	х	*
	*		*		*		*	
		*		*		*		*

*	0	*	0	*	0	*	0	*	o	*	0	*	0	*	0	
	-							0	*	0	*	0	*	0	*	
								*	0	*	0	*	0	*	O	
									•							•

scanSurroundingPositions(BoardPosition startingPos) – testScanSurroundingPositions_Row_0_Col_0

Input: startingPos = (0,0)

State:

×	*	х	*	х	*	Х	*
*	х	*	Х	*	х	*	Х
х	*	Х	*	Х	*	Х	*
*		*		*		*	
	*		*		*		*
*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0

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

State	<u> </u>						
X	*	Х	*	Х	*	Х	*
*	х	*	Х	*	х	*	Х
Х	*	х	*	х	*	х	*
*		*		*		*	
	*		*		*		*
*	0	*	0	*	0	*	0
0	*	0	*	0	*	0	*
*	0	*	0	*	0	*	0

scanSurroundingPositions(BoardPosition startingPos) – testScanSurroundingPositions_Row_1_Col_3

Input: startingPos = (1,3) Output:DirectionEnum.SE = 'x' DirectionEnum.SW = 'x' State: DirectionEnum.NE = 'x' DirectionEnum.NW = 'x' Χ Χ Χ State: X Х Χ Х Χ Х Х Х Χ Х Х X Х Х Х Χ Χ Х Χ 0 0 0 0 0 0 0 0 О 0 О 0 0 0 0 0 0 0 0 0 0 О 0

scanSurroundingPositions(BoardPosition startingPos) – testScanSurroundingPositions_Row_0_Col_7

Input: startingPos = (0,7)Output:DirectionEnum.SE = 'null' DirectionEnum.SW = '*' State: DirectionEnum.NE = 'null' DirectionEnum.NW = 'null' Χ Χ Χ Х Χ Χ Х State: Χ Х Χ Х Χ Х Χ Χ Χ Х Χ Х Х Х Х 0

$scan Surrounding Positions (Board Position\ starting Pos)-test Scan Surrounding Positions_Row_2_Col_0$

Input		tingF	os =	(2,0))		Outp Dire	ction	Enui	m.SV	V = '	null'	= ' '		
х	*	х	*	х	*	х	*	Dire	ction	Enui	m.N\	N = '	null'		
*	х	*	Х	*	х	*	х	State	÷.						
×	*	х	*	х	*	х	*	Х	*	х	*	х	*	х	*
*		*		*		*		*	х	*	х	*	х	*	х
	*		*		*		*	X	*	х	*	х	*	х	*
*	0	*	0	*	0	*	0	*		*		*		*	
0	*	o	*	0	*	0	*		*		*		*		*
*	0	*	0	*	0	*	0	*	0	*	0	*	0	*	0
								0	*	0	*	0	*	0	*
								*	0	*	0	*	0	*	0

getDirection(DirectionEnum dir) - testGetDirection_SE

Input: dir = DirectionEnum.SE	Output: BoardPosition b.row = 1 BoardPosition b.col = 1
State: N/A	State: N/A

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)

GetColNum (1) Checkerboard(3) scanSurroundingPositions(5) addViableDirections(1)
GetRowNum (1)
movePiece (3)
crownPiece (4)
getDirection (1)
getViableDirections (1)
GetPieceCounts (1)
whatsAtPos (5)
checkPlayerWin(2)
playerLostPieces(1)
jumpPiece(3)
placePiece(6)