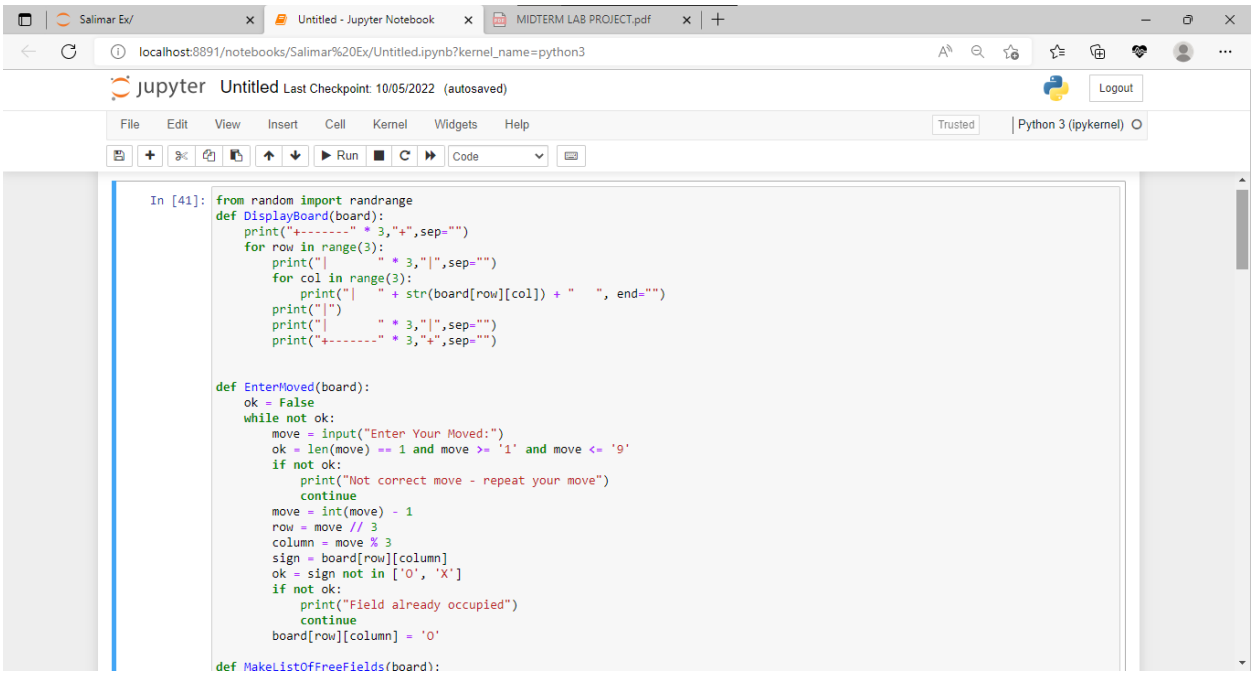
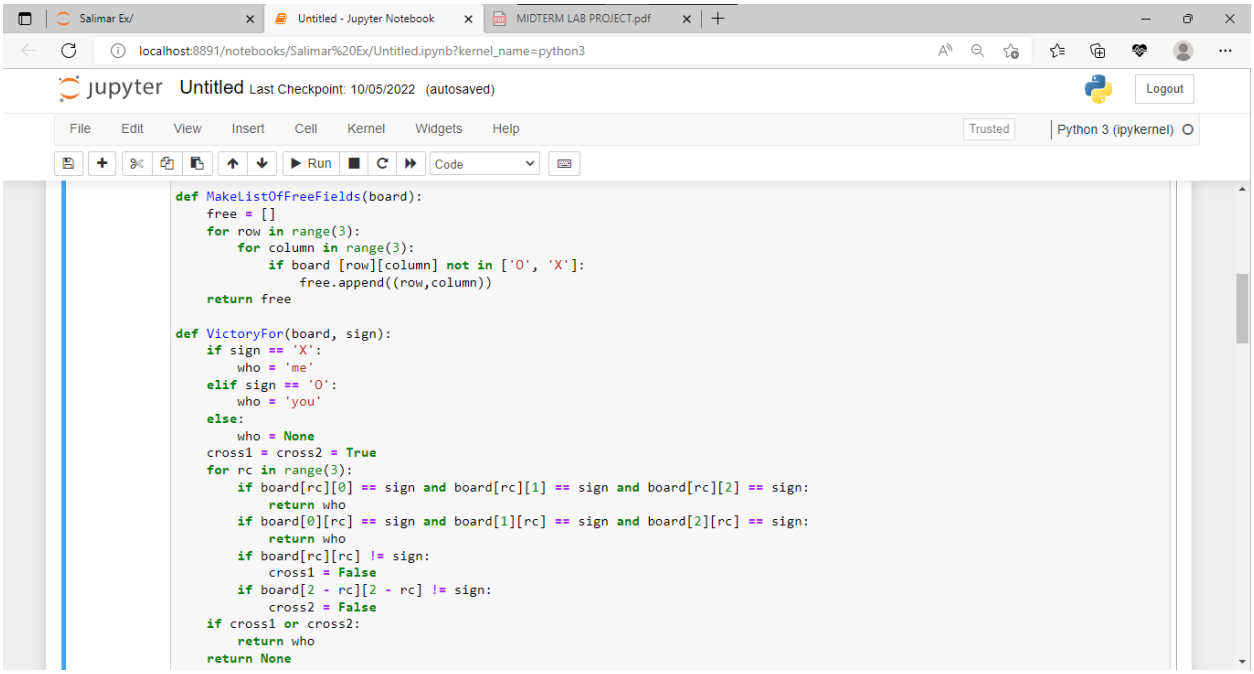
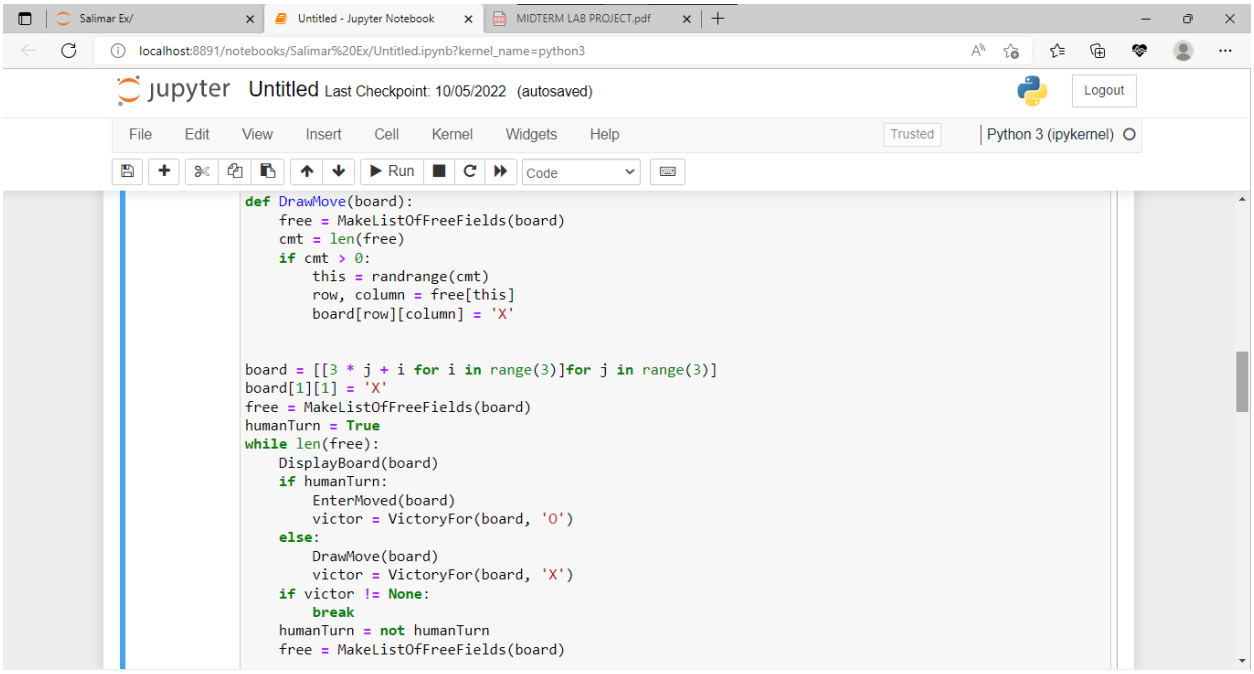
Marvin B. Waro | BSCS 3B

– CS ELECTIVE 2 LABORATORY MIDTERM PROJECT: TIC-TAC-TOE

SCREENSHOTS IN CHRONOLOGICAL ORDER:



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jupyter Untitled Last Checkpoint: 10/05/2022 (autosaved)
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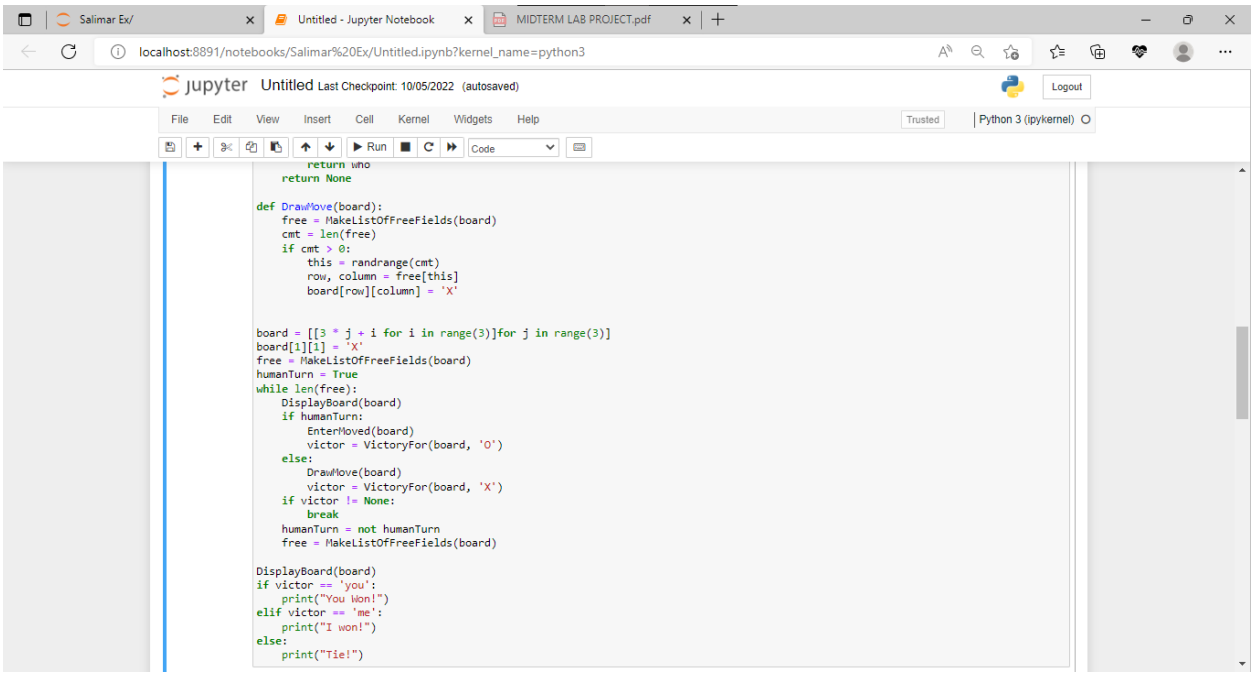
Trusted
Python 3 (ipykernel)
Run
Code
def DrawMove(board):
free = MakeListOfFreeFields(board)
cmt = len(free)
if cmt > 0:
this = randrange(cmt)
row, column = free[this]
board[row][column] = 'X'
board = [[3 * j + i for i in range(3)]for j in range(3)]
board[1][1] = 'X'
free = MakeListOfFreeFields(board)
humanTurn = True
while len(free):
DisplayBoard(board)
if humanTurn:
EnterMoved(board)
victor = VictoryFor(board, 'O')
else:
DrawMove(board)
victor = VictoryFor(board, 'X')
if victor != None:
break
humanTurn = not humanTurn
free = MakeListOfFreeFields(board)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Python 3 (ipykernel)
Run
Code
return who
return None
def DrawMove(board):
free = MakeListOfFreeFields(board)
cmt = len(free)
if cmt > 0:
this = randrange(cmt)
row, column = free[this]
board[row][column] = 'X'
board = [[3 * j + i for i in range(3)]for j in range(3)]
board[1][1] = 'X'
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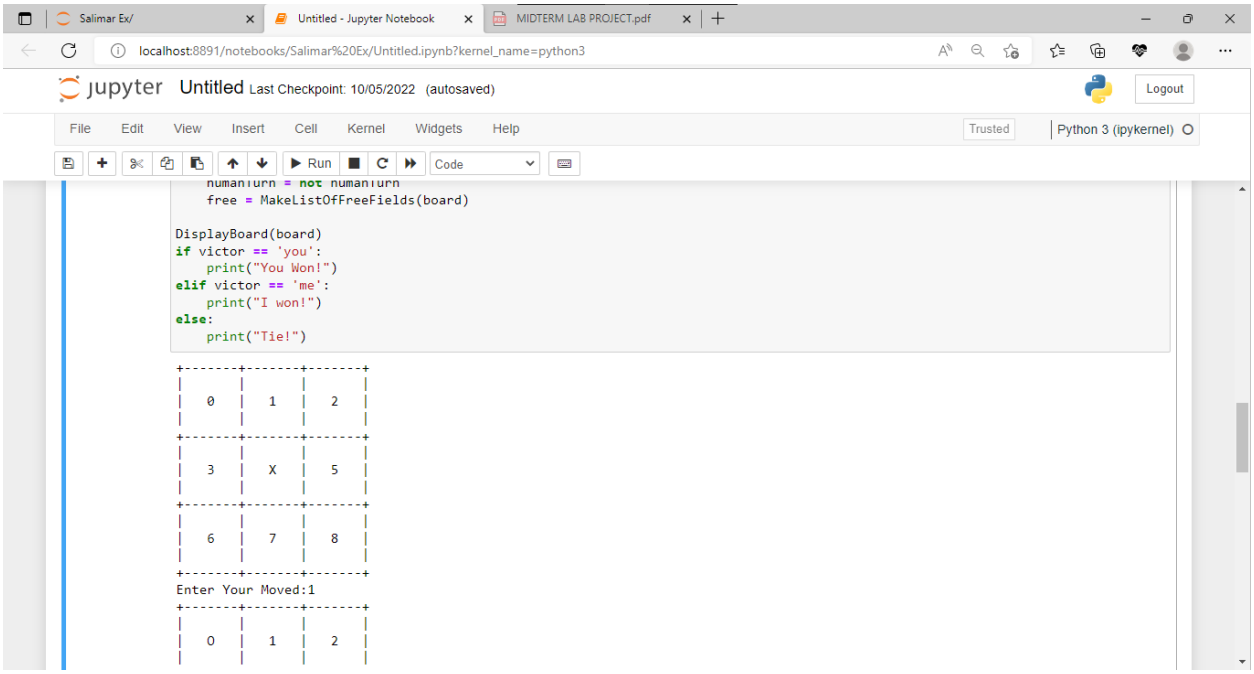
DisplayBoard(board)
if humanTurn:
EnterMoved(board)
victor = VictoryFor(board, 'O')
else:
DrawMove(board)
victor = VictoryFor(board, 'X')
if victor != None:
break
humanTurn = not humanTurn
free = MakeListOfFreeFields(board)
DisplayBoard(board)
if victor == 'you':
print("You Won!")
elif victor == 'me':
print("I won!")
else:
print("Tie!")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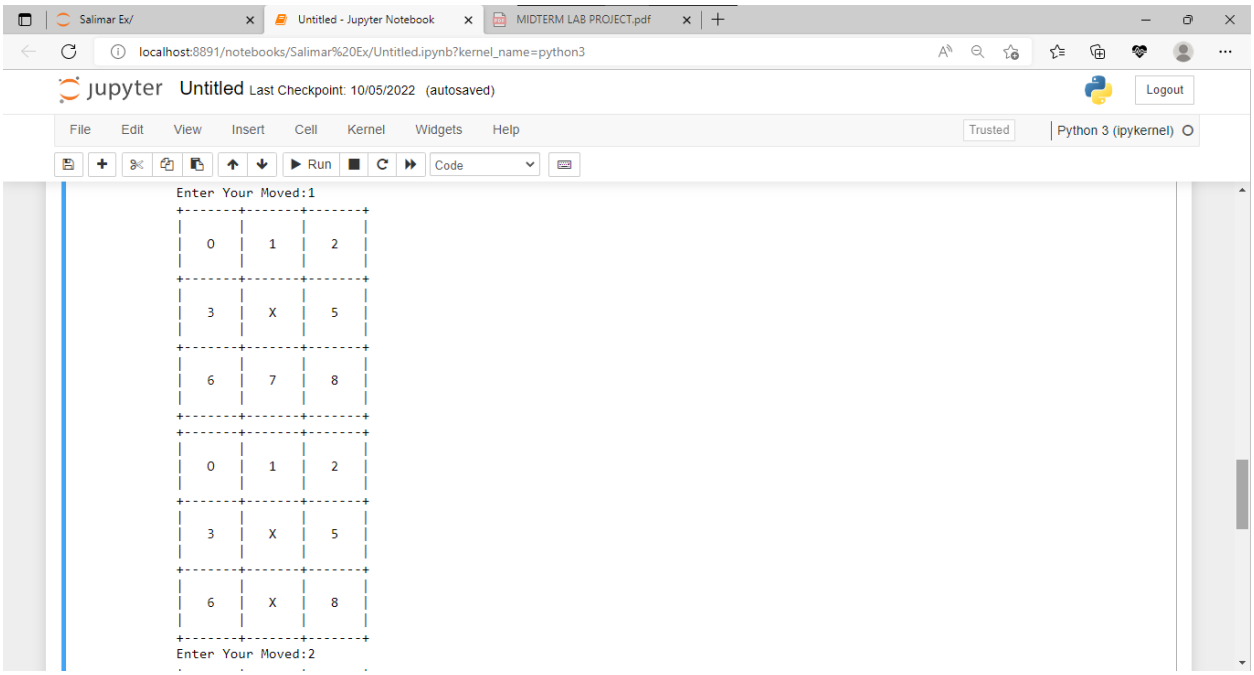
Python 3 (ipykernel)
Run
Code
humanTurn = not humanTurn
free = MakeListOfFreeFields(board)
DisplayBoard(board)
if victor == 'you':
print("You Won!")
elif victor == 'me':
print("I won!")
else:
print("Tie!")
0	1	2
3	X	5
6	7	8
Enter Your Moved:1
0	1	2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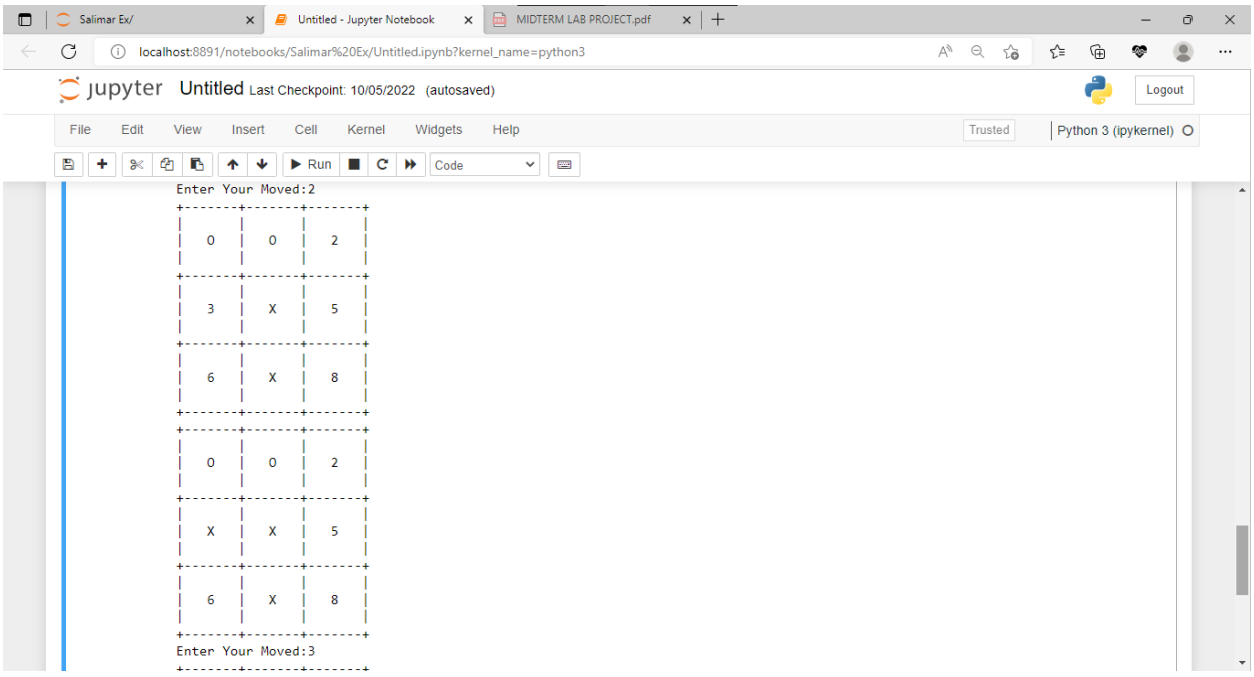
Trusted
Python 3 (ipykernel)
Run
Code
Enter Your Moved:1
0	1	2
3	X	5
6	7	8
0	1	2
3	X	5
6	X	8
Enter Your Moved:2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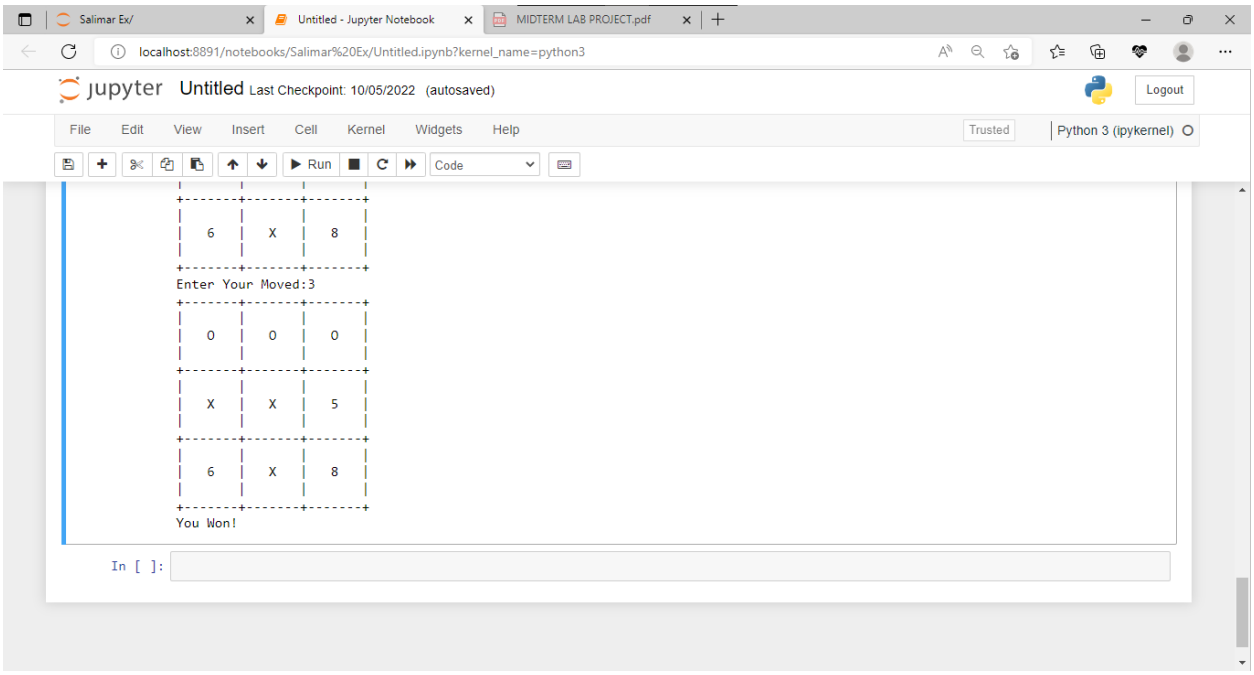
Trusted
Python 3 (ipykernel)
Run
Code
Enter Your Moved:2
0	0	2
3	X	5
6	X	8
0	0	2
X	X	5
6	X	8
Enter Your Moved:3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jupyter Untitled Last Checkpoint: 10/05/2022 (autosaved)
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Trusted
Python 3 (ipykernel)
Run
Code
| 6 | X | 8 |
Enter Your Moved:3
0	0	0
X	X	5
6	X	8
You Won!
In [ ]: