Tic-Tac-Toe Game In Python

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board = [' ',' ',' ',' ',' ',' ',' ',' ',' ']
In [5]:
        player = 1
        #win Flags
        win = 1
        draw = -1
        running = 0
        #while condt
        game = running
        #This Function Draws Game Board
        def drawboard():
            print(" %c | %c | %c " % (board[1],board[2],board[3]))
            print(" %c | %c | %c " % (board[4],board[5],board[6]))
            print("___|__")
            print(" %c | %c | %c " % (board[7],board[8],board[9]))
            print(" | |
        #This Function Checks position is empty or not
        def checkposition(x):
            if board[x] == ' ':
                return True
            else:
                return False
        #This Function Checks player has won or not
        def checkwin():
            global game
            #Horizontal winning condition
            if (board[1] == board[2] and board[2] == board[3] and board[1] != ' '):
                game = win
            elif (board[4] == board[5] and board[5] == board[6] and board[4] != ' '):
                game = win
            elif (board[7] == board[8] and board[8] == board[9] and board[7] != ' '):
                game = win
            #Vertical Winning Condition
            elif (board[1] == board[4] and board[4] == board[7] and board[1] != ' '):
                game = win
            elif (board[2] == board[5] and board[5] == board[8] and board[2] != ' '):
                game = win
            elif (board[3] == board[6] and board[6] == board[9] and board[3] != ' '):
                game = win
            #Diagonal Winning Condition
            elif (board[1] == board[5] and board[5] == board[9] and board[5] != ' '):
                game = win
            elif (board[3] == board[5] and board[5] == board[7] and board[5] != ' '):
                game = win
            #Match Tie or Draw Condition
            elif (board[1] != ' ' and board[2] != ' ' and board[3] != ' ' and board[4] !=
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and board[5] != ' ' and board[6] != ' ' and board[7] != ' ' and board[8]
         and board[9] != ' '):
        game = draw
   else:
        game = running
print("Player 1 [X] and Player 2 [0]")
while game == running:
   drawboard()
   if player % 2 != 0:
        print("Player 1's chance")
        mark = 'X'
   else:
        print("Player 2's chance")
        mark = '0'
   choice = int(input("Enter the position between [1-9] where you want to mark
   if (checkposition(choice)):
        board[choice] = mark
        player += 1
        checkwin()
drawboard()
if game == draw:
   print("Game Draw")
elif game == win:
   player -= 1
   if player % 2 != 0:
        print("Player 1 won")
   else:
       print("Player 2 won")
Player 1 [X] and Player 2 [0]
Player 1's chance
Enter the position between [1-9] where you want to mark : 5
   l x l
Player 2's chance
Enter the position between [1-9] where you want to mark : 6
   | x | o
Player 1's chance
Enter the position between [1-9] where you want to mark : 4
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Player 2's chance
Enter the position between [1-9] where you want to mark : 3
X \mid X \mid 0
Player 1's chance
Enter the position between [1-9] where you want to mark : 1
X \mid X \mid O
Player 2's chance
Enter the position between [1-9] where you want to mark : 7
x | 0
X \mid X \mid O
0 |
Player 1's chance
Enter the position between [1-9] where you want to mark: 8
X \mid 0
X \mid X \mid O
0 | X |
Player 2's chance
Enter the position between [1-9] where you want to mark : 2
X \mid O \mid O
X \mid X \mid 0
0 \mid X
Player 1's chance
Enter the position between [1-9] where you want to mark : 3
X 0 0
X \mid X \mid O
0 X
Player 1's chance
Enter the position between [1-9] where you want to mark : 3
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X | 0 | 0

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X | X | O
O | X |

Player 1's chance
Enter the position between [1-9] where you want to mark : 9
X | O | O
O | X | X |
O | X | X |
Player 1 won
```

In []: