TIC TAC TOE ALGORITHM :

import os

import time

board = [' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ']

player = 1

Win = 1

Draw = -1

Running = 0

Stop = 1

Game = Running

Mark = 'X'

def DrawBoard():

print(" %c | %c | %c " % (board[1], board[2], board[3]))

print("\_|\_|\_")

print(" %c | %c | %c " % (board[4], board[5], board[6]))

print("\_|\_|\_")

print(" %c | %c | %c " % (board[7], board[8], board[9]))

print(" | | ")

def CheckPosition(x):

if (board[x] == ' '):

return True

else:

return False

def CheckWin():

global Game

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

elif (board[1] != ' ' and board[2] != ' ' and board[3] != ' ' and board[4] != ' ' and board[5] != ' ' and board[

6] != ' ' and board[7] != ' ' and board[8] != ' ' and board[9] != ' '):

Game = Draw

else:

Game = Running

print("Tic-Tac-Toe Game Designed By Sourabh Somani")

print("Player 1 [X] --- Player 2 [O]\n")

print()

print()

print("Please Wait...")

time.sleep(3)

while (Game == Running):

os.system('cls')

DrawBoard()

if (player % 2 != 0):

print("Player 1's chance")

Mark = 'X'

else:

print("Player 2's chance")

Mark = 'O'

choice = int(input("Enter the position between [1-9] where you want to mark : "))

if (CheckPosition(choice)):

board[choice] = Mark

player += 1

CheckWin()

os.system('cls')

DrawBoard()

if (Game == Draw):

print("Game Draw")

[2:27 PM, 9/13/2022] Barath Saveetha: elif (Game == Win):

player -= 1

if (player % 2 != 0):

print("Player 1 Won")

else:

print("Player 2 Won")