PAGE NO : DATE : 24/9/24

Tictactoe

Algorithm

St) Assign "X" or "O" at random for the 1st

32) Take were input for away tocation, and charge

83) An empty 3x3

S) create a 3x3 empty board and win condition board = [[04-4] x3 for i in range (3)] Spin-cond 2 Set (0

82) Assign "x" or "O" to player and player and player

92.5) & User makes more.

(3) It contre a empty system places symbol

33.5) Check for system win condu and procent stop stop for system more check for wing conditions if any and part make a more to Stop olse rangem, multiple wind condu

S&) Check is board is full, if yes ship
game play, else > 5 2.5)

Code :import random board of[n-n] or 3 for i in range (3))] del check win():

for i in range (3):

if (board [i][o] == board [i][i] == board[i][i][i] if (board coli) == board colors == board colors return Tru if if board [o][o] = borad [i][i] = = board [i][i]= return True if board Collid = borad [1][1] = bord [2][0] = ochem Tou return Fake. return all (cell)= "-" for sow in borad for cell in sow) def full (): def can win (m): for i in sange (3): if sow count (m) == 2 and sow count(" sctum (is sow.index(4-12)) for i in range (3): (of = [boxad[j][i] for j in sunge(3)]
if col-count(m) == 2 and col-count("-") return Ciplindex (" - ") ()

PAGE NO: d1 = [board [i][i] for i in range (3)] if dt. (ount (m) = = 2 and dr. (ount (m - 4) == 1: return (d1: count (4 - 4) d1. count (4-4)) 22 = [board [i][2-i] for in range (3)] det display Oisto man state and Print (n) goody (board) : Dala Danda Li while Tow: Wallach display() (" sin an) + ring u= tuple (map (int in put (" Enter now and co) for x? (Otild2.(() did2. if boad [u[o]][u[i]] = ~ ~ Print ("Occupied already") board[u[o]][u[i]] = "x" if checkwind; displayes brint (" x vo ing 1 u) if full(): display () brint ("Its a hie I") break

