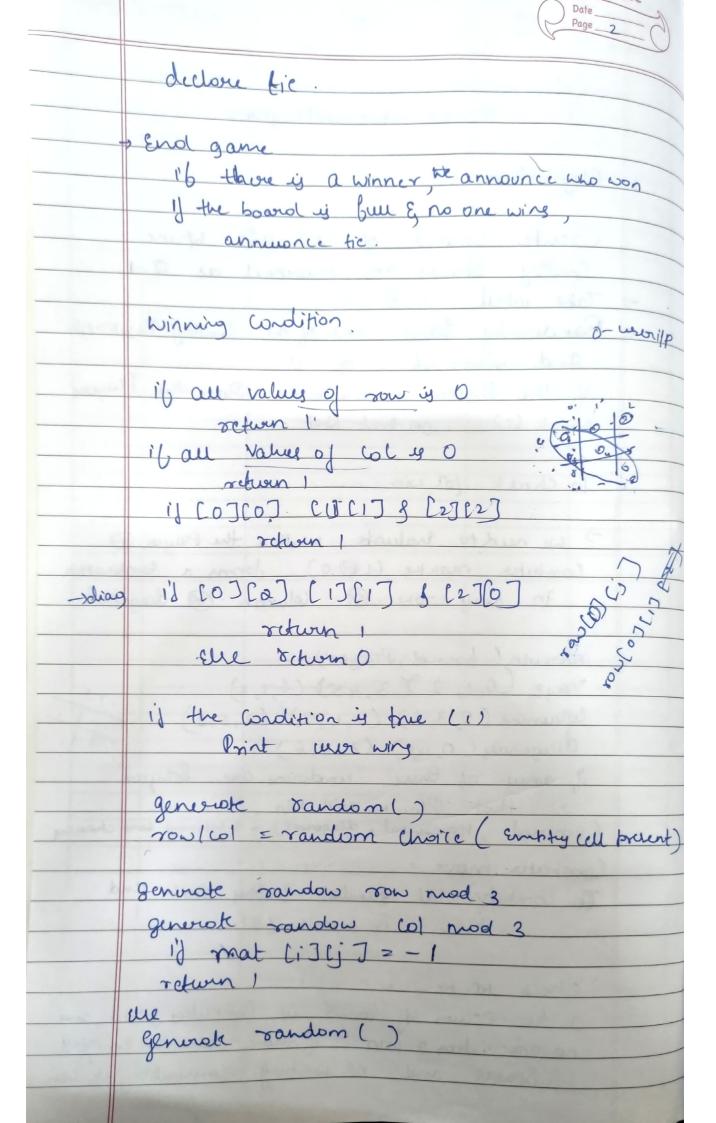
	Tic-tac-toc-program.
	Algorithm
	Entry Staces are marked as 0-1
)	Randomly School one of the Empty Positions and mark it 100 0
	if the Position is available, Place the Playery mark (1) on that Stat
2	To checkk for win.
. C	We need to Evaluate whether the Playor @ Consulter marky (100) Johns a Constitution in any now @ Column @ diagonal.
8	rays (0,1,2 X 3 45) (678)
	Columns (0,3,6) (1,4,7) (2,5,8) diagonals (0,48) (2,4,6) if any of these conditions are Satisfied that Plant will be
Guera	(vertical, Horizontal, diagraph) - 8 winning consichency Computer more
	Place 14 mork. (0)
	a tic Occurs if board is Completly filled, and
	Staces and no winning Continotion, we can



Classmate now, col = sanolom. choice (Empty Cell) When Compains Print comb won if all com = biled Declare fie Import random de initialie boardes. return [[' 'for in range (3)] for in range (3) des disklary-board (soard): for now in board: Print (1' join (20w)) Print ('-' * 5) det check winner (board); for row in board: ip 20mos == [13mos == [0]mos di return rowsod for col in range (3): ij board CoJROD = = board [IJROI] == for to board [2] [0]]!=!! return board [0][01] if board == [0][0] == board(1][1]== board[2][return board Colo] 1) board [0) E0] == board[1][1]==board[2][2] roctures board cosco) J board [0][2] == board [1][1]== board [2][0][= ''; return board [0][2] orchorn None des civailable moves (board); return (Ci, i) for i in range (3) for



jin range (3) if board (i)[j]==1 des Check two-in-a-row (board, Player). dor thow in range(3): if board [row] count (play ex) = 22 and board [raw]. count- (' ') = = 1: octure your board [row]. Index ! ... # check diagonals

if [board [i] [ji] for i In range (3)] Count (player) == 2: Sunkhy-index = Cifor i in rang (3) if board [i][i]==117 I Empty index: setuen Empty_indescro] Empty_Index[0] dy make more Choord, Player, more)
board [morelo][moreli] 7= Player dy Computer _ more (board): more = check two- in- a row (board, 0) make more (board): othern del Color more (board) While Toue: try: now = int (input ("Entry now (0-2):") Col = Int Cinput ("Entercolumn (0-2)):) i board [70w] [ao 1] == ":



make more (board, 'x', (rou, col)) ochum Elee: Print (" That Spot is already token Try again) dy Play game (): board = initialize - board () Playor = (x'; D) Crowner Pheyer = 0 for _ in range (q): distay - board (board) if wount board Player ==0: uler_more (boord) Computer = check _ winner (board) 1 winner: dig Play board (board) print (& "player & winner & wing!") schwin Current Player = 1 - Current-Player display board (board) Print (" it's a devow") play game () Output Enter now (0+2):0 Enter Co! (0-2): 0

