HW# 2 116-lac-loe Pseudolode Plan	* SO VILLANT TO I
	· Enum Elements
public class Tic Tac Toe Top Of	· Constructor -> Empty
Store of the start	2 User Play
private int [][] 725itions = new int [37/37.	Right go 1st o, 2nd
-Funda Coura	Right us. CPU
Enums for X, O, & EMPTY Top	~ Print crame Board
private onum elements {x, D, Empty3 Midd.	var = Lo game Board - Viz
Man-	
-Set game board / positions to Empty.	Place Piece C Exame Board,
Egame Board - Data ex. Top	PLEAT IN A STATE OF THE STATE O
. Scanner input "DI 2-1 2 1 Plan 2"	
The player or (Flayer:	if user = X
. Scanner input "Play 2 player or 1 Player?" If I Player: "Go 1st or 2nd?"	else of user=0
	- 71
2 Player Brov.s. Bro-	case: #'s a
Scanner Input - bet inthom 1-9	· Place in any the Enny
Lo player 1 Position	
while game Board Outa, contains ()	al
Positive taken"	checkwinner ()
pl Pos. = Scan. next Int()	town, d cross check that
Place Piece (gB Data, playor 1 Pos.)	with the state of the Board
1 U	
Scanner Imput	Arraylist < bist > Win
P2 = 0	typelist of combos
Place Piere	Toprov = 12,3
checkwinner() (ciplaceDiece()	Crossl= 1,5,9
	Win. add (7 20 2)
A TOTAL STATE OF THE STATE OF T	Win. add CtopRow)
real to make it of type elements	for (List a: win)
7. 2 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	if LgameBoard containe Alla
[] I place Emms in each array stot	antia lor enuly
	Point "Congrate) "Player
	· 2DArray with 2different
	Enums in st
-T 2-1-1	Lufthis enume
	won:3 enums in a row
Place X or O in there	In a 2Daray
- 0 0.00	
- 8 diff. ways to win	

Make be Base mayes of all winning combinations & compare to Game Board [X O] [X] [0 x] X [X] GrameBoard Base Loop int Hough [][] [O][O] if [][] equals isaxe[][] [1][1] -> Winner [2][2] x-coordinate // y-coordinate (0,0) (0,1) (0,2) (1,07 (1,1) (1,2) (2,0) (2,1) (2,2) winning ways 343 Array The Cross 1 20 Array of chars representing * ways to win with # on (0,0) (101) (2,2) If gameBood cant=0 & for inta; a < 3; ass for int b C3; btt Wroop count ++;

If count =3

Lowinner"

Need the computer to try to - Find Paths # open and take then Nandan Seed # H Decides List of Partie operans - Then cru takes chedics the Path if Empty ewm. -If taken by other CPU, random # to generate new path/plan. inhat happens if they need to change plans though? Lo Medachedee-for the of the plan is still good ififgameBoad[a][b] == cross[a][b] of LIC] != ENTRY

if __C] [] != EMPTY

Then choose this plan

TI __CICI! -EMPT