dos check If Available (pos):

if (board [pos] == ""):

vetur 1

else:

return 0

def Check Win (playor):

for x in winningPosition:

if 'board [x[0]] = board [x[1]] and board [x[1]] == board [x[2]]

and board [x[0]]!="";

print (player + "Won")

return 0

for in board:

if i=="";
return!

print ("Draw Match")

def algolin (playor):

for z in WinningPosition:

y (board [x[0]] == player and board [x[1]] == player) and

check If Available (x[2]) == 1:

n = x[2] bnak

0

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Samudli . M 1BM18CS092 ely (board [x[1]] == player and board [x[2]] = = player) and check If Available (x [0]) == 1: n = x [o] break elig (board [x[o]] == player and board [x[x]] == player) and check If Available (n[1]) == 1: n = x[1] break return n.

def stop Player (player)!

for x in winning Position: if (board [x lo]] == player and board [x[i]] == player) and check I f Available (x[2]) == 1!

n=x[2] break elif (board [x[i]] == player and board [x[i]] == player) and checkIfAvailable(x(0])=1:

n = x [0]

break

elif (board [x [o]] == player and board [x[2]] == player) and checkIf Available (x[i])=

n=x[1] break

return n.

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```
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        1BM18CS092
Check If Available (x[1] = 21)!
chek If Available (x[1]==1):
```

def algo Try Win (player): for x in winningPosition? if board [x[0]] == player and check[{Available (x[2] == 1) and if check [Available (x[2]==1)! n = x[2] breat. elig check If Available (x[1] ==1); n = x[1] elif board [x[1]] = = player and check [Available (x[0]==1) and check If Available (x[2]==1): if 'check \$ {A vailable (x[0]==1): n = x[0]break ely chechIf Avoilable (x[Q]==1): n = 2[2] break. oly board [x[2]] == player and check & Available (x[0] == 1) and . if check If Available (2 [0] == 1): n = x lo] break elif check If Available (x[1] ==1): n = x [1] buak setun n. Kamudi-M

n = -1

Scanned with CamScanner

def randomPos():

while (1):

n = random. randint (0,8)

if check JA vailable (n) == 1;

utum n.

def algo Play (x, y):

n = algo Win (x)

if n = = -1

n = stop Player (y)

if n = -1n = algoTuyDin(x)

if n = -1: $n = \lambda and Bon Pos()$

print ("Algorithm inserted at ", end="")

print n

board [n] = x

def play():

board Display() // displays the board.

flag = 1

while (flag):

algo Play ("X", "0")

display board Display()

(F)

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