```
Al Lab-1
Name: SHALINJ.P
 USN: 18M19CS406
 CSE 4'8"
 Batch -3'
 13 11 2
Prigram-3
        Tic-tae-Toe.
 det makeMone (litter, pos):
global board
       board [pos] a letter
  det estree (pos):
       neturn board [pos] == "
  def notfull (board):
        Netwer board count (' 1) >1
  det is Winner (board, ch):
        neturn ((board [7] = ch and board[8] and board[9]=
 (board [4] == ch and board [5] == ch and board [6] == oh) of
 (board [1] == ch and board [2] == ch and board[s] == ch) or
 ( board [7] == ch and board [4] == ch and board [i] == ch) or
 Choard[s] == ch and board [5] == ch and board [2] == ch) of
 ( board [a] == ch and board [6] == ch and board [3] == ch) or
 ( board [7] == ch and board [5] == ch and board [5] == ch on
                     board [s] == (h and board [i) == (h)
 (board [9] == ch and
```

det compMon (1) possible Moves = [x for x, letter in enumerate (brank) 300 pp == ' ' and X/20] more = 0 for let in ['o', 'X'] for i in possisseMone: boardCopy = board[:]
boardCopy[i] = let
if isWinner(boardCopy, let);
mone=i. netwon more import random corners Open = [] for i in possible Moves: if in [1,3,7,9]: cornersOpen. append(i) if corneroOpen: none = random. sampl(comuseper, 1) [0] netwon mone. if 5 in possiblemone: mme:5 networn more. edgesOpen = [] for i in possiblemones:

if i is [2,4,6,8]: edgesOpen. append (i) if edgcoOpen: mone = nandom. somple (edges Open, 1) [0] netwy many. Lalini-P

Scanned with CamScanne