```
LAB-() (24/9/24)
                                                     Player = 'x'
                                                      Player = 0'
 Myorthm
                         First take all inputs
                         as empty
                                                    Functions -> win()
                                                            - draw()
                                                            -> pnn+()
 win ()
                                                             > main()
    [ [ board [0][0] = = board [0][1] = = board [0][2]
    if (board[i][o] = = board[i][i] = = board[i][i]) achin true
   [ ( board [2][8) 2 = board [2][1] = board [2][2]) seturn ( the tree) cheeks
   if (board [o][o] = = board [o][i] = = bord[2][2]) owhen the ?degonal
   ( board (o)[a) = = board [i][i] = = board[i][o]) nehm tre.
   { (board [0][0] = = board [0][0] = = board [2][0]) sighing the
                                                            b neitical
   ( board [1][1] = = board [1][1] = = board [2](1) seekum true
   ( ( hoard [0][2] = board [1][2] = = board [2](2) ) siehm tre.
 Jehn John
print ()
 for ino to grows-1
      for 1 -10 to cols -1
          ((i)(i)brood) thang
draw ()
   enehrm the of the board is filled completely
                                                                 drew-s bred
                                                                 um shreak
                                                                 alle moderd more
main ()
   for 1 so to grows - 1
                                      11 askigu empty sinings
     for j->0 to coll-1
   player= x boord[i][i]=
wille true
while true
       Take the user input to place on the board
   while (true)
         plant 15 out of board)
                                    Continue "Involid more")
```

```
if (player = 'x') player = 'O'
                                 I change the player
                                 // in the alternate monner
      il (plager = 'O') plager = 'X'
       print()
      W win (Doard)
          proof ( player has won")
      16(w) 8
      d = drow (board)
         pmtf (" as (pro of dross praw!")
      il (d) 3
                                                                 del
 Program.
 import random
                                                                   de
 def win (board):
     for now in board:
        ] 90w[0] == 90w[2]!=
        if board [0][00]] == board [1][00] = = board[2][00]] =
     for col in songe (3):
            sepon Torus
           ho and (07 (0) = = board [1][1] = = board [2][2]!=
       board [o][2] z = board [i][i] = z board [z][o]!=""
           orelin Tous
    nerm False
    print ("In". join (["]". join (now) for sow in board ]))
del print Board (board):
def draw (board):
  siehem all (cell! = " for snow in board for cell in snow)
```

```
def user-move (board):
  while Torus
       move = m+ (input ("Enter your move (1-9):")) -1
       sow, at = alivered (move, 3)
       of (board (grow) [co]) = = " ";
            board [row][coll = "x"
            break
         print ( spece is taken ")
    except (value Error, Inderetror):
         pront ("Involve Input")
def computer-move (board):
  while The:
     more = rondom. rondint (0,8)
     now, col = divmod (move, 3)
     B 60 ard [910 w] [co]] = = " ":
          board [row][co1] = "0"
        break political
    board = [[" boi-in gronge (3)]
         print Board (hoard)
         User-move (board)
         if wm (board):
              print Board (hoord)
             pmt ("You wm!")
              break
         if draw (board):
             print Board (hoord)
             prof (" Draw ! ")
            brook
        Computer-more (board)
        of (uin (board):
            print Board (board)
            print ("Computer wins!")
             break.
```

of drow(boord): pront-Board (board) print ("Drow]") break 1 __nome__ == "__ mom__": -mom() output: ther your more (1-9):1 Enter your more (1-9): 1 Medican poly (board) Enter your move (19); 9 Enter your move (1-9):1 XO XOOX Enter you nove (1-9):2 Enter your move (1-9): \$ computer wins! You win!