```
main.py
                                                 €3 🔅 📽 Share
                                                                           Run
                                                                                     Output
        1 PLAYER X = 1
        2 PLAYER 0 = -1
                                                                                  Current Board:
          EMPTY = 0
                                                                                   XOX
          def evaluate(board):
                                                                                   OX.
              for row in range(3):
       5 -
                                                                                   0 X
                  if board[row][0] == board[row][1] == board[row][2] != EMPTY:
5
       6 -
                                                                                  Best Move: (1, 2)
                      return board[row][0]
              for col in range(3):
       8-
                                                                                  Board after best move:
       9-
                  if board[0][col] == board[1][col] == board[2][col] != EMPTY:
                                                                                 XOX
      10
                      return board[0][col]
                                                                                  OXX
      11 -
              if board[0][0] == board[1][1] == board[2][2] != EMPTY:
                                                                                  . 0 X
      12
                  return board[0][0]
              if board[0][2] == board[1][1] == board[2][0] != EMPTY:
      13-
                                                                                 === Code Execution Successful ===
      14
                  return board[0][2]
      15
              return 0
          def isMovesLeft(board):
      17-
              for row in range(3):
      18-
                  for col in range(3):
      19-
                      if board[row][col] == EMPTY:
TS
      20
                         return True
      21
              return False
      22 - def
             minimax(board, isMax):
-80
      23
              score = evaluate(board)
              if score == PLAYER_X: return score
      24
              if score == PLAYER_O: return score
      25
      26
              if not isMovesLeft(board): return 0
    Upcoming
```

```
Share
                                                                        Run
                                                                                   Output
 25
          11 Score == PLAYER_U: return score
          if not isMovesLeft(board): return 0
 26
                                                                               Current Board:
 27 -
          if isMax:
                                                                                XOX
              best = -float('inf')
 28
                                                                                0 X .
 29 -
              for row in range(3):
                                                                                . 0 X
 30 -
                  for col in range(3):
                                                                                Best Move: (1, 2)
 31 -
                      if board[row][col] == EMPTY:
 32
                          board[row][col] = PLAYER_X
                                                                                Board after best move:
 33
                          best = max(best, minimax(board, not isMax))
                                                                               XOX
 34
                          board[row][col] = EMPTY
                                                                               OXX
 35
              return best
                                                                               . 0 X
 36 -
          else:
 37
              best = float('inf')
                                                                               === Code Execution Successful ===
  38 -
              for row in range(3):
  39 -
                  for col in range(3):
  40 -
                      if board[row][col] == EMPTY:
  41
                          board[row][col] = PLAYER 0
  42
                          best = min(best, minimax(board, not isMax))
  43
                          board[row][col] = EMPTY
  44
              return best
  45 - def findBestMove(board):
          bestVal = -float('inf')
  46
          bestMove = (-1, -1)
  47
          for row in range(3):
   48 -
              for col in range(3):
   49 -
   50 -
                  if board[row][col] == EMPTY:
Upcoming
```

