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project.py X
C: > python code > ♥ project.py > ♦ check_winner
      import random
      def initialize_board(size):
          return [["-" for _ in range(size)] for _ in range(size)]
      def print_board(board):
          for row in board:
               print(" | ".join(row))
          print()
      def check_winner(board, size):
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           for row in board:
               if len(set(row)) == 1 and row[0] != "-":
                   return row[0]
           for col in range(size):
               if len(set(board[row][col] for row in range(size))) == 1 and board[0][col] != "
                   return board[0][col]
          if len(set(board[i][i] for i in range(size))) == 1 and board[0][0] != "-":
               return board[0][0]
          if len(set(board[i][size - i - 1] for i in range(size))) == 1 and board[0][size - 1
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if len(set(board[i][size - i - 1] for i in range(size))) == 1 and board[0][size - 1
        return board[0][size - 1]
    return None
def play_game():
    size = int(input("Enter board size (e.g., 3 for 3x3): "))
    board = initialize_board(size)
    players = ["X", "0"]
    turn = 0
    while "-" in [cell for row in board for cell in row]:
       print_board(board)
        player = players[turn % 2]
       print(f"{player}'s turn.")
        row, col = map(int, input("Enter row and column (e.g., 1 1): ").split())
       while board[row - 1][col - 1] != "-":
            row, col = map(int, input("Invalid move. Enter again: ").split())
        board[row - 1][col - 1] = player
       winner = check winner(board, size)
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board[row - 1][col - 1] = player
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             winner = check_winner(board, size)
             if winner:
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                 print_board(board)
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                 print(f"{winner} wins!")
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                 return
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             turn += 1
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         print("It's a tie!")
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     play_game()
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