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SERVER MULTI:
import socket
from _thread import start_new_thread

def determine_winner(p1, p2):      #DE MODIFICAT IN FUNCTIE DE CERINTA
    if p1 == p2:
        return "draw"
    elif (p1 == "rock" and p2 == "scissors") or (p1 == "scissors" and p2 == "paper")
or (p1 == "paper" and p2 == "rock"):
        return "player1"
    else:
        return "player2"

def client_thread(conn, player):
    conn.send(player.encode()) #CONEXIUNEA CU CLIENTUL
    while True:
        try:
            choice = conn.recv(1024).decode()
            if not choice or choice == "surrender": #DE AICI
                break
            choices[player] = choice
            if len(choices) == number_of_clients:
                winner = determine_winner(choices["player1"], choices["player2"])
                for p, c in connections.items():
                    p.send(winner.encode()) #PANA AICI DE MODIFICAT IN
FUNCTIE DE CE AI
                    choices.clear()
            except ConnectionResetError:
                break
            print(f"{player} disconnected")
            del connections[player]
            conn.close()

server = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
host = "127.0.0.1"
port = 12345
number_of_clients=2
server.bind((host, port))
server.listen(number_of_clients)

connections = {}      #DICTIONARELE TREBUIE MODIFICATE
choices = {}          #AICI LA FEL
player_number = 1

while len(connections) < number_of_clients:      #DE AICI
    conn, addr = server.accept()
    player = f"player{player_number}"
    connections[player] = conn
    print(f"{player} connected")
    start_new_thread(client_thread, (conn, player))

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        player_number += 1
DE CE AI                                     #PANA AICI DE MODIFICAT IN FUNCTIE

while len(connections) > 0:
    pass

server.close()

CLIENT_MULTI:
import socket

def main():
    client = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    host = "127.0.0.1"
    port = 12345
    client.connect((host, port))
    player = client.recv(1024).decode() #DE MODIFICAT
    print(f"You are {player}") #DE MODIFICAT

    while True:
        choice = input("Enter your choice (rock, paper, scissors) or 'surrender' to
quit: ").lower() #DE MODIFICAT INPUTUL
        client.send(choice.encode()) #DE MODIFICAT CHOICE CU CE AI
        if choice == "surrender": #DE AICI
            break
        result = client.recv(1024).decode()
        if result == player:
            print("You win!")
        elif result == "draw":
            print("It's a draw!")
        else:
            print("You lose!")

    print("Game over.") #PANA AICI DE MODIFICAT IN FUNCTIE DE CE AI
    client.close()

if __name__ == "__main__":
    main()

SERVER_NORMAL:
import socket
import random
import threading

def amesteca_cuvant(cuvant):
    cuvant_amestecat = list(cuvant)
    random.shuffle(cuvant_amestecat)

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return ''.join(cuvant_amestecat)
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def handle_client(client_socket, address):
    cuvinte = ["python", "programare", "socket", "server", "client", "joc",
"cuvinte", "retea", "computere", "cod"]
    cuvant_ales = random.choice(cuvinte)
    cuvant_amestecat = amesteca_cuvant(cuvant_ales)
    client_socket.send(cuvant_amestecat.encode('utf-8'))
    while True:
        incercare = client_socket.recv(1024).decode('utf-8')
        if incercare == cuvant_ales:
            client_socket.send("Correct!".encode('utf-8'))
            break
        else:
            client_socket.send("Wrong answer! Try again".encode('utf-8'))
    client_socket.close()

def start_server():
    host = '127.0.0.1'
    port = 5052

    server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server_socket.bind((host, port))
    server_socket.listen()
    print("Server is listening...")

    client_socket, address = server_socket.accept()
    thread = threading.Thread(target=handle_client, args=(client_socket, address))
    thread.start()
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start_server()
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CLIENT_NORMAL:
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import socket
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host = '127.0.0.1'
port = 5052
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client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
client_socket.connect((host, port))
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print("Try guessing")
data = client_socket.recv(1024).decode('utf-8')
print(data)
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while True:
    guess = input("Enter your answer:")
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client_socket.send(guess.encode('utf-8'))
answer = client_socket.recv(1024).decode('utf-8')

print(answer)

if answer.startswith("Correct!"):
    break

client_socket.close()
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