COMPUTER NETWORKING (CSL317)

ASSIGNMENT - 3

NAME: ARYAN JOTISH PATIL

ROLL: BT18CSE096

HOW TO RUN?

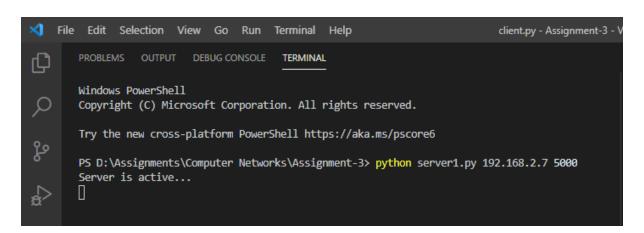
CLIENT: python client.py <ip address> <port number>

Eg: python client.py 192.168.2.8 5000 (CTRL + C to exit)

SERVER: python server<number>.py <ip address> <port number>

Eg: python server2.py 192.168.2.8 5000 (CTRL + C to exit)

SERVER 1: SINGLE CONNECTION AT A TIME



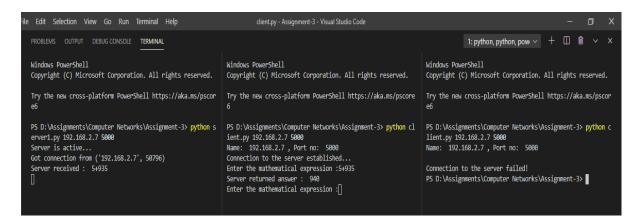
STARTING THE SERVER



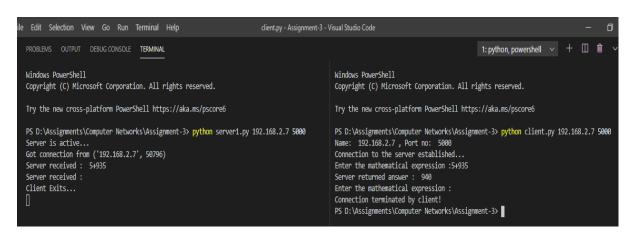
CONNECTING A CLIENT TO THE SERVER



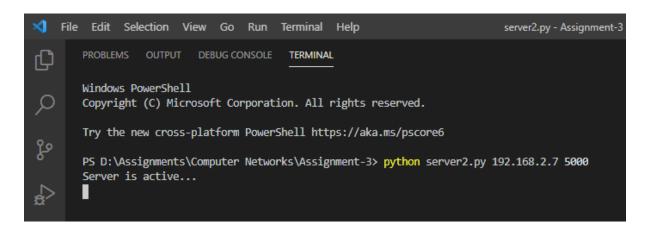
EXCHANGE OF RESPONSES BETWEEN CLIENT AND SERVER



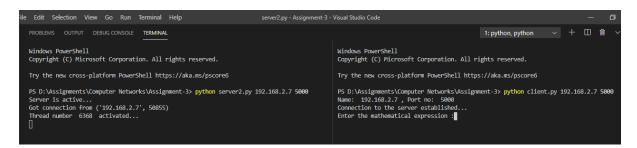
SHOWS ERROR WHEN ANOTHER CLIENT TRIES TO CONNECT



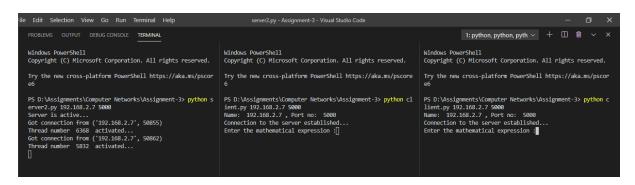
SERVER 2: MULTI-THREADED SERVER



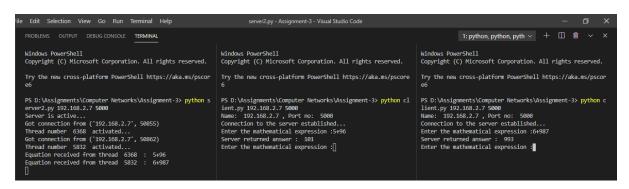
STARTING THE SERVER



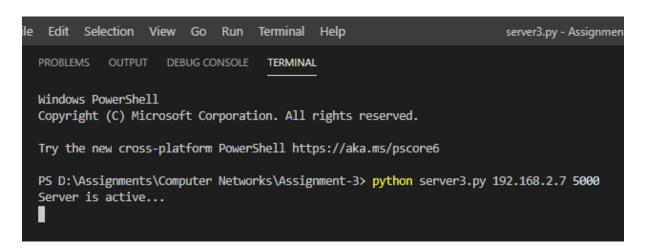
CONNECTING 1ST CLIENT TO THE SERVER



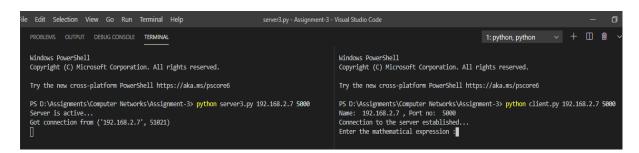
CONNECTING ANOTHER CLIENT SIMULTANEOUSLY



SERVER 3 : SELECT METHOD



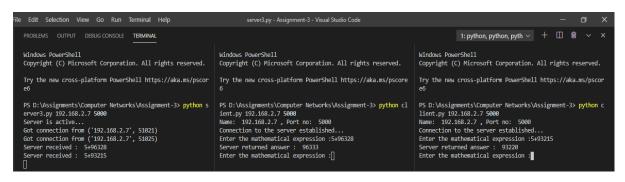
STARTING THE SERVER



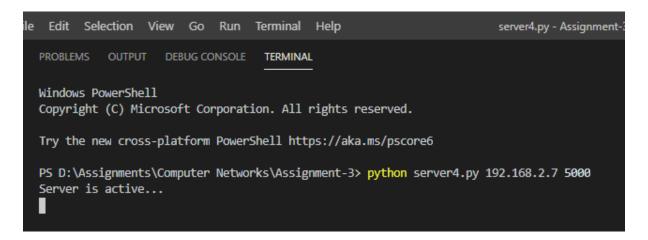
CONNECTING A CLIENT TO THE SERVER



CONNECTING ANOTHER CLIENT TO THE SERVER (USING SELECT METHOD)



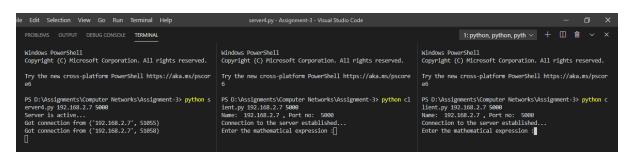
SERVER 4: ECHO SERVER



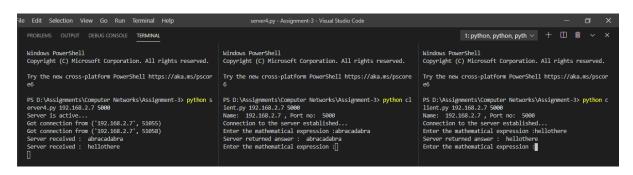
STARTING THE SERVER



CONNECTING A CLIENT TO THE SERVER



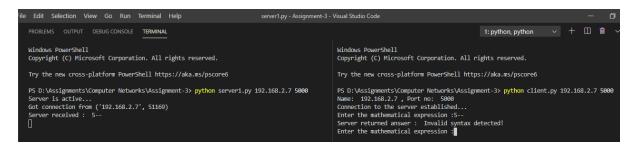
CONNECTING ANOTHER CLIENT TO THE SERVER (USING SELECT METHOD)



ADDITIONAL FEATURES



HANDLES DIVIDE BY 0 EXCEPTION WITHOUT LOSING CONNECTION



HANDLES INVALID SYNTAX WITHOUT LOSING CONNECTION