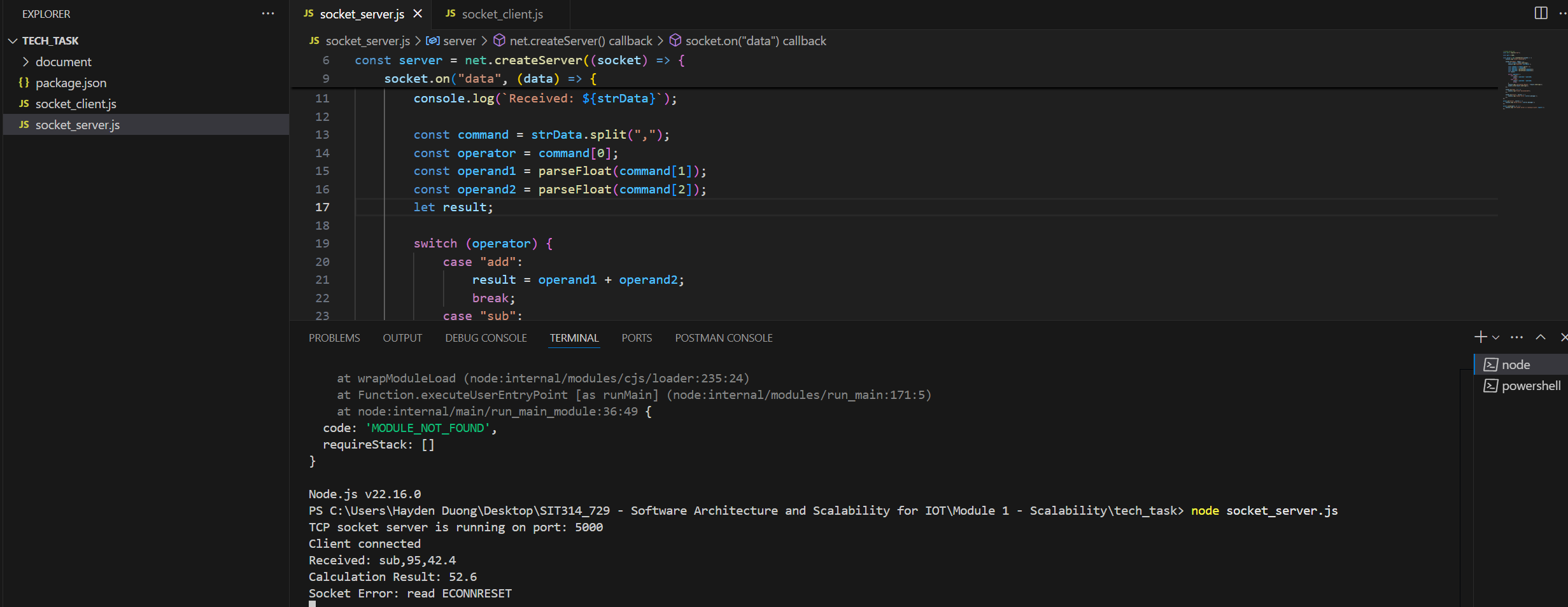
Module 1 – Week 1

Testing the client-server relationship



Picture 1 - Server-side result.

A screenshot of a computer

AI-generated content may be incorrect.

Picture 2 – Client-side result.

Experiment with code

A/ The interval of sending the data (repeat the comment every 2 seconds)

A screenshot of a computer

AI-generated content may be incorrect.

Picture 3 – Result from Server-side.

A black screen with white text

AI-generated content may be incorrect.

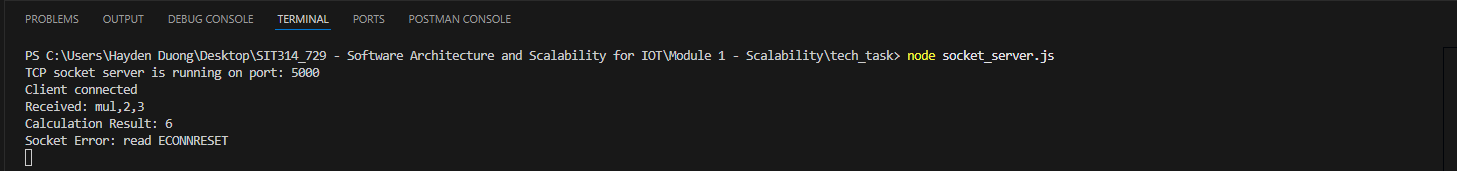
Picture 4 – Result from Client-side.

B/ Modify the server to support different calculations

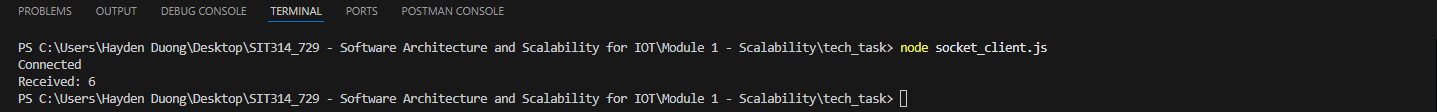
A screenshot of a computer

AI-generated content may be incorrect.

Picture 5 – Code-addition to socket\_server.js

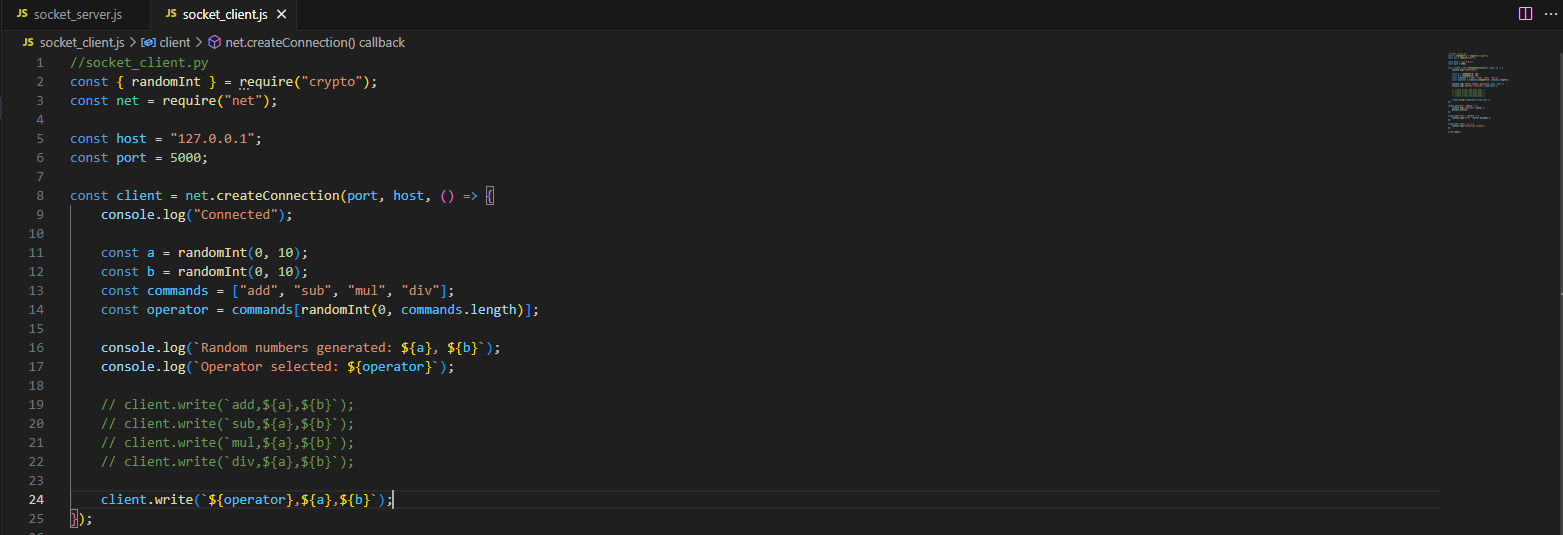


Picture 6 – Result from Server-side

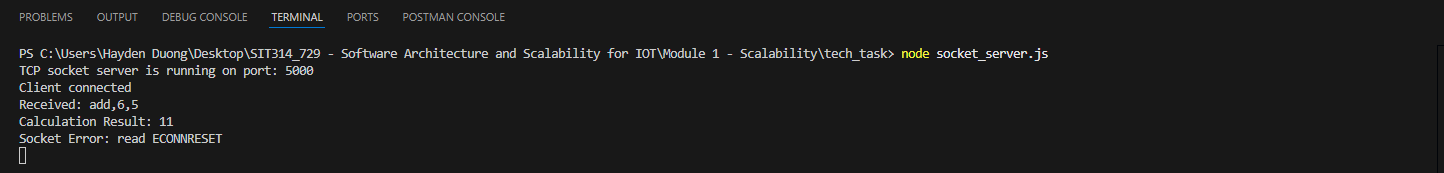


Picture 7 – Result from Client-side

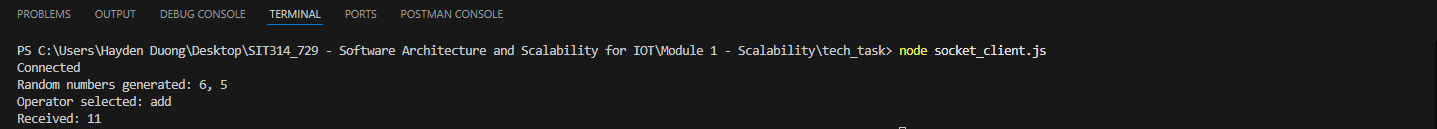
C/ Modify the client code so it reads a random number and sends it as part of the calculation



Picture 8 – Code addition & modification to socket\_client.js



Picture 9 – Result from Server-side

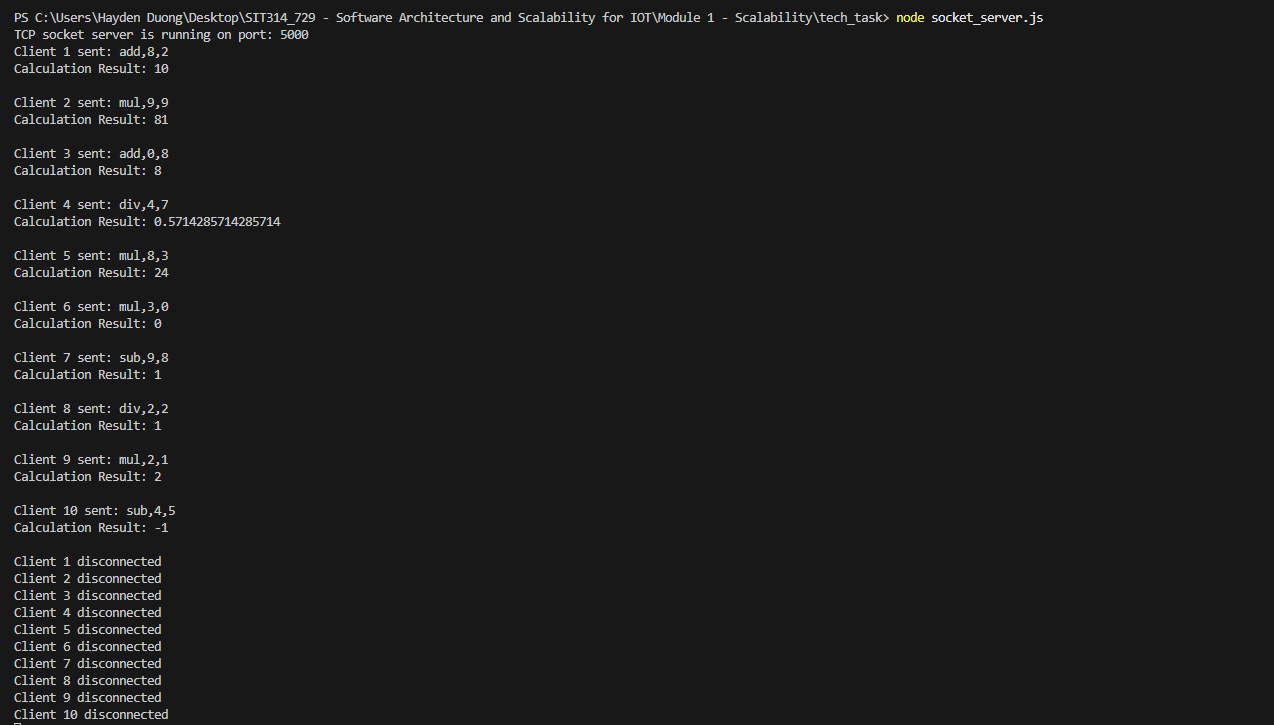
Picture 10 – Result from Client-side

D/ Number of clients

A screen shot of a computer

AI-generated content may be incorrect.

Picture 11 – Created a new JS file called stress\_test.js to simulate several clients are connecting to socket\_server.js (code suggested by DeepSeek)



Picture 12 – Result from Server-side

A black screen with white text

AI-generated content may be incorrect.

Picture 13 – Result from Client-side

E/ Connect between other computers (need to share stress\_test.js for other group members to achieve different IP addresses display in the server-side terminal – tested with)

A screenshot of a computer

AI-generated content may be incorrect.

Picture 14 – Result from Server-side

A screen shot of a computer

AI-generated content may be incorrect.

Picture 15 – Result from Client-side

A black screen with white text

AI-generated content may be incorrect.

Picture 16 – Result from the Server-side when another team member used my “stress\_test.js” to test connection to the “socket\_server.js”

F/ Put Pressure on Server

A screenshot of a computer program

AI-generated content may be incorrect.

Picture 16 – Result from Server-side

A black screen with many small colored spots

AI-generated content may be incorrect.

Picture 17 – Result from Client-side.