This will consist of the client terminal with the testing of the exponent calculations, root calculations, what happens when an invalid command is entered, and quit:

(.venv) katiewilson@Katies-MacBook-Pro-2 Project1 % python echo-client.py

Client starting - connecting to server at IP 127.0.0.1 and port 65432

Connected to the server.

Available commands:

1. calculate base ^ exponent - Calculate base raised to the exponent.

2. calculate root degree number - Calculate the nth root of a number.

3. quit - Quit the client.

Enter commands like 'calculate 2 ^ 3' or 'calculate root 3 27'.

Enter a command: calculate 5 ^ 3

Sent command to server: 'calculate 5 ^ 3'

Received response from the server: 'The result of 5 ^ 3 is 125.0.'

Available commands:

1. calculate base ^ exponent - Calculate base raised to the exponent.

2. calculate root degree number - Calculate the nth root of a number.

3. quit - Quit the client.

Enter commands like 'calculate 2 ^ 3' or 'calculate root 3 27'.

Enter a command: calculate root 3 27

Sent command to server: 'calculate root 3 27'

Received response from the server: 'The 3.0-th root of 27.0 is 3.0.'

Available commands:

1. calculate base ^ exponent - Calculate base raised to the exponent.

2. calculate root degree number - Calculate the nth root of a number.

3. quit - Quit the client.

Enter commands like 'calculate 2 ^ 3' or 'calculate root 3 27'.

Enter a command: calculate a ^ b

Sent command to server: 'calculate a ^ b'

Received response from the server: 'Error: could not convert string to float: 'a''

Available commands:

1. calculate base ^ exponent - Calculate base raised to the exponent.

2. calculate root degree number - Calculate the nth root of a number.

3. quit - Quit the client.

Enter commands like 'calculate 2 ^ 3' or 'calculate root 3 27'.

Enter a command: hi Brant :)

Sent command to server: 'hi Brant :)'

Received response from the server: 'Invalid command.'

Available commands:

1. calculate base ^ exponent - Calculate base raised to the exponent.

2. calculate root degree number - Calculate the nth root of a number.

3. quit - Quit the client.

Enter commands like 'calculate 2 ^ 3' or 'calculate root 3 27'.

Enter a command: quit

Client is done!