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CIS 525 A

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Question 1:

After running make then running ./server & and ./client the program started.

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| --- | --- |
| Input | Output |
| Nick | Client: You are the first user in the chat |
| Hi | Client: Nick: Hi |
| New Users attempts to connect to server with username Nick | Client: Username already taken. |
| New User attempts to connect to server with username Bob | Client: Bob has joined the server |
| Bob says Hi | Clients: Bob: Hi |
|  |  |
| 4 | No output and Client Terminates |

Question 2:

After running make then running ./directory & and ./client the program started

|  |  |
| --- | --- |
| Input | Output |
| Dog | Client: New Server being created! |

The directory server then creates a new server by running the execv on a child process to represent the new chat server.