1. There are 2 clients. Their ip addresses are 192.168.56.32 and 192.168.56.64. They send out SYN packets for connection setup. Hence they are clients.

2.There is only 1 server. The ip address of the server 192.168.56.1 and the port numbers are 8000.

3.

192.168.56.32 - 192.168.56.1 Conversations		
192.168.56.32 (Client)	192.168.56.1 (Server)	test
192.168.56.1 (Server)	192.168.56.32 (Client)	tset
192.168.56.32 (Client)	192.168.56.1 (Server)	looc
192.168.56.1 (Server)	192.168.56.32 (Client)	cool
192.168.56.32 (Client)	192.168.56.1 (Server)	tata
192.168.56.1 (Server)	192.168.56.32 (Client)	atat
192.168.56.64 - 192.168.56.1 Conversations		
192.168.56.64 (Client)	192.168.56.1 (Server)	blahblah
192.168.56.1 (Server)	192.168.56.64 (Client)	halbhalb
192.168.56.64 (Client)	192.168.56.1 (Server)	yeh
192.168.56.1 (Server)	192.168.56.64 (Client)	hey
192.168.56.64 (Client)	192.168.56.1 (Server)	seeya
192.168.56.1 (Server)	192.168.56.64 (Client)	ayees

4. Server's functionality is to decode the messsage sent by the client and then and to reverse the code and then send back the code to the client