Programming Assignment -2

Server-side Output

```
  ✕  Default (mserver)                                                    ☰

Pranavs-MacBook-Pro:ProgrammingAssignment2 Pranav$ ./mserver
Socket created successfully
Done with binding
Listening for incoming messages...

----Received message from IP: 127.0.0.1 and port: 60816
----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 4
SourceSubscriberNumber 4085546805
EndPacketId ffff
--------------------------------------------------------
----Received message from IP: 127.0.0.1 and port: 60816
----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 3
SourceSubscriberNumber 4086668821
EndPacketId ffff
--------------------------------------------------------
----Received message from IP: 127.0.0.1 and port: 60816
----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 2
SourceSubscriberNumber 4086808825
EndPacketId ffff
```

```
----Received message from IP: 127.0.0.1 and port: 60816
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 7
SourceSubscriberNumber 4086808822
EndPacketId ffff
--------------------------------------------------------
----Received message from IP: 127.0.0.1 and port: 60816
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 5
SourceSubscriberNumber 1111111111
EndPacketId ffff
--------------------------------------------------------
----Received message from IP: 127.0.0.1 and port: 60816
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 5
SourceSubscriberNumber 1111111111
EndPacketId ffff
--------------------------------------------------------
```

```
----Received message from IP: 127.0.0.1 and port: 60816
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff8
SegmentNumber 1
Length 5
Technology 5
SourceSubscriberNumber 1111111111
EndPacketId ffff
--------------------------------------------------------
```

Client-Side Output

```
Pranavs-MacBook-Pro:ProgrammingAssignment2 Pranav$ gcc modelclient.c -o mclien
t
Pranavs-MacBook-Pro:ProgrammingAssignment2 Pranav$ ./mclient
Socket created successfully
Sending Packet

Error: Subscriber does not Exist on database
----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fffa
SegmentNumber 1
Length 5
Technology 4
SourceSubscriberNumber 4085546805
EndPacketId ffff
---------------------------------------------------------
Sending Packet

Error: Subscriber did not pay the bill
----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fff9
SegmentNumber 1
Length 5
Technology 3
SourceSubscriberNumber 4086668821
EndPacketId ffff
---------------------------------------------------------
```

```
Sending Packet

Subscriber permitted to access the network
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fffb
SegmentNumber 1
Length 5
Technology 2
SourceSubscriberNumber 4086808825
EndPacketId ffff
---------------------------------------------------------
Sending Packet

Error: Subscriber does not Exist on database
-----------------------------------------------
StartPacketId ffff
ClientId fa
Permission fffa
SegmentNumber 1
Length 5
Technology 7
SourceSubscriberNumber 4086808822
EndPacketId ffff
---------------------------------------------------------
Sending Packet


Error: Server didnot respond Resending the packet
Sending Packet


Error: Server didnot respond Resending the packet
Sending Packet


Error: Server does not respond
Pranavs-MacBook-Pro:ProgrammingAssignment2 Pranav$
```