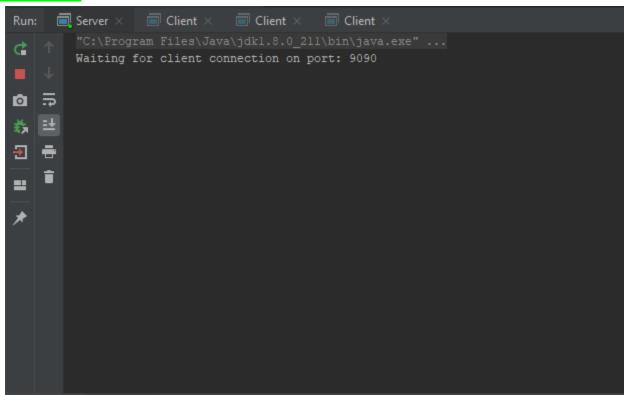
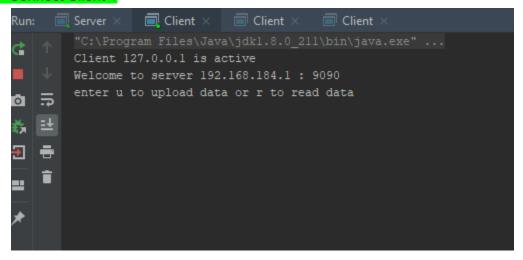
Name: Feza Roheel Section: AP-8B Homework # 3

1) Start Server



2) Connect Client 1



```
Server × Client × Client × Client ×

"C:\Program Files\Java\jdkl.8.0_211\bin\java.exe" ...

Waiting for client connection on port: 9090

Got connection from 127.0.0.1 : 52081

Active Connections = 1

Welcome to server 192.168.184.1 : 9090
```

3) Connecting Client 2

```
Run: Server × Client × Client × Client ×

"C:\Program Files\Java\jdk1.8.0_211\bin\java.exe" ...
Client 127.0.0.1 is active
Welcome to server 192.168.184.1 : 9090
enter u to upload data or r to read data

the server u to upload data or r to read data
```

```
Server × Client × Client × Client ×

"C:\Program Files\Java\jdkl.8.0_21l\bin\java.exe" ...

Waiting for client connection on port: 9090

Got connection from 127.0.0.1 : 52081

Active Connections = 1

Welcome to server 192.168.184.1 : 9090

Got connection from 127.0.0.1 : 52093

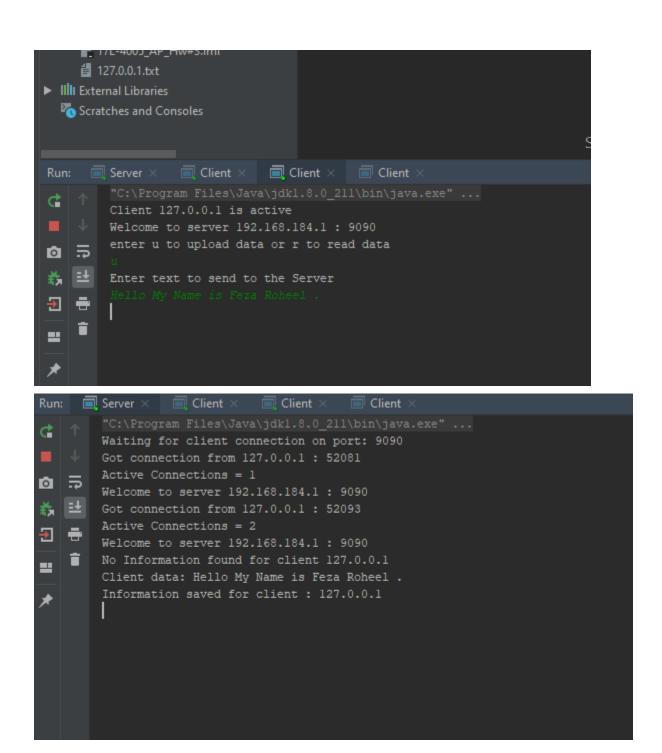
Active Connections = 2

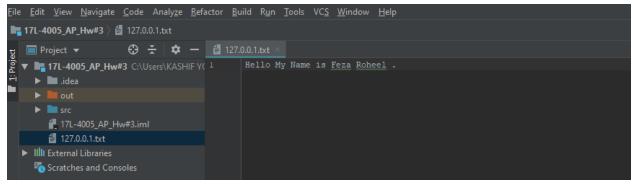
Welcome to server 192.168.184.1 : 9090
```

4) Read Data from client 1

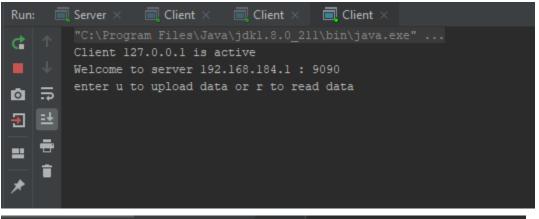
```
■ Server × ■ Client × ■ Client × ■ Client
        Client 127.0.0.1 is active
        Welcome to server 192.168.184.1 : 9090
        enter u to upload data or r to read data
        Reading data from the Server
        [Data from Server]: No Information found
Server X □ Client X □ Client X □ Client 3
  Waiting for client connection on port: 9090
  Active Connections = 1
  Welcome to server 192.168.184.1 : 9090
```

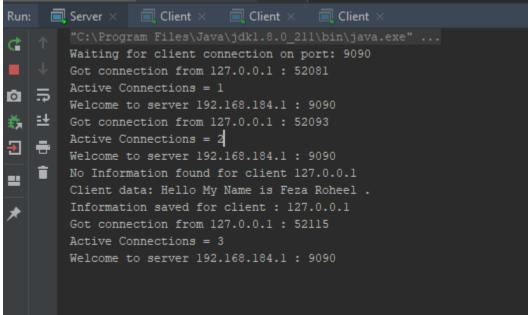
5) Upload Data from client 2





6) Lets start Client 3





7) Read From Client 3

```
Client × Client × Client
Run:
    Server X
        Client 127.0.0.1 is active
        enter u to upload data or r to read data
        Reading data from the Server
        [Data from Server]: Hello My Name is Feza Roheel .
     Server X
□ Client X
□ Client X
□ Client
       Waiting for client connection on port: 9090
       Got connection from 127.0.0.1 : 52081
       Active Connections = 1
       Welcome to server 192.168.184.1 : 9090
       Got connection from 127.0.0.1 : 52093
       Active Connections = 2
       Welcome to server 192.168.184.1 : 9090
       No Information found for client 127.0.0.1
       Client data: Hello My Name is Feza Roheel .
       Information saved for client: 127.0.0.1
       Got connection from 127.0.0.1 : 52115
       Active Connections = 3
       Welcome to server 192.168.184.1 : 9090
       Information for client 127.0.0.1
        File content: Hello My Name is Feza Roheel .
 Hello My Name is Feza Roheel .
```

8) Upload Data from Client 1

```
Client × Client × Client
 đ
           Client 127.0.0.1 is active
           Welcome to server 192.168.184.1 : 9090
           enter u to upload data or r to read data
Ô
           Reading data from the Server
           [Data from Server]: No Information found
           Enter text to send to the Server
                Hello My Name is Feza Roheel . I love to program in different languages.
 17L-4005_AP_Hw#3 C:\Users\KASHIF Y( 1
 ▶ 🖿 .idea
   # 17L-4005_AP_Hw#3.iml
   ₫ 127.0.0.1.txt
   ₫ 127.0.0.1_192.168.184.1.txt
 III External Libraries
 Scratches and Consoles
Run: \blacksquare Server 	imes \blacksquare Client 	imes \blacksquare Client 	imes
   Active Connections = 1
Welcome to server 192.168.184.1 : 9090

    Got connection from 127.0.0.1 : 52093

Active Connections = 2
   No Information found for client 127.0.0.1
•
       Client data: Hello My Name is Feza Roheel .
       Information saved for client: 127.0.0.1
       Information for client 127.0.0.1
       File content: Hello My Name is Feza Roheel .
       Client data: I love to program in different languages.
       Information saved for client: 127.0.0.1
```

9) Read Data from Client 2

Run: Server X

```
Client ×
       enter u to upload data or r to read data
ø | ≅
義 註
       Enter text to send to the Server
∄ | ₩
       Reading data from the Server
==
       [Data from Server]: Hello My Name is Feza Roheel . I love to program in different languages.
          Client ×
                        Client ×
                                    Client
   Waiting for client connection on port: 9090
   Got connection from 127.0.0.1 : 52081
  Active Connections = 1
  Got connection from 127.0.0.1 : 52093
   Active Connections = 2
  Welcome to server 192.168.184.1 : 9090
  Client data: Hello My Name is Feza Roheel .
   Information saved for client: 127.0.0.1
  Got connection from 127.0.0.1 : 52115
   Active Connections = 3
  Welcome to server 192.168.184.1 : 9090
   Information for client 127.0.0.1
   File content: Hello My Name is Feza Roheel .
  Client data: I love to program in different languages.
   Information saved for client: 127.0.0.1
   File content: Hello My Name is Feza Roheel . I love to program in different languages.
 Hello My Name is Feza Roheel . I love to program in different languages.
```

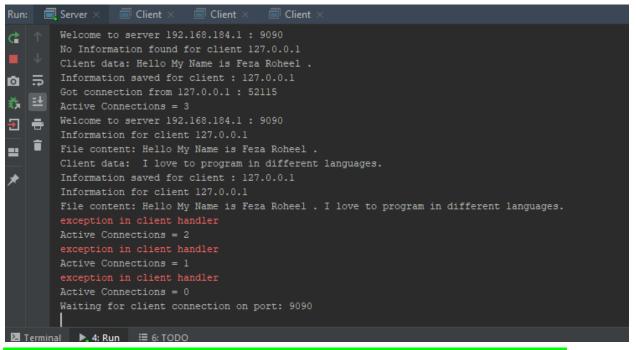
10) Close Client1

```
Client >
 Got connection from 127.0.0.1 : 52081
 Active Connections = 1
 Welcome to server 192.168.184.1 : 9090
 Got connection from 127.0.0.1 : 52093
 Active Connections = 2
No Information found for client 127.0.0.1
 Client data: Hello My Name is Feza Roheel .
Information saved for client: 127.0.0.1
 Got connection from 127.0.0.1 : 52115
 Active Connections = 3
 Welcome to server 192.168.184.1 : 9090
 Information for client 127.0.0.1
 File content: Hello My Name is Feza Roheel .
 Client data: I love to program in different languages.
 Information saved for client: 127.0.0.1
 Information for client 127.0.0.1
 File content: Hello My Name is Feza Roheel . I love to program in different languages.
 Active Connections = 2
```

11) Close Client2

```
■ Server × ■ Client ×
                        Client X
  Got connection from 127.0.0.1 : 52093
 Welcome to server 192.168.184.1 : 9090
  No Information found for client 127.0.0.1
  Client data: Hello My Name is Feza Roheel .
  Information saved for client: 127.0.0.1
  Got connection from 127.0.0.1 : 52115
  Active Connections = 3
  Welcome to server 192.168.184.1 : 9090
  Information for client 127.0.0.1
  File content: Hello My Name is Feza Roheel .
  Client data: I love to program in different languages.
  Information saved for client: 127.0.0.1
  File content: Hello My Name is Feza Roheel . I love to program in different languages.
  Active Connections = 2
  exception in client handler
  Active Connections = 1
```

12) Close Client3



As you can see since 0 active connections, it displays waiting for connection on port on Server.