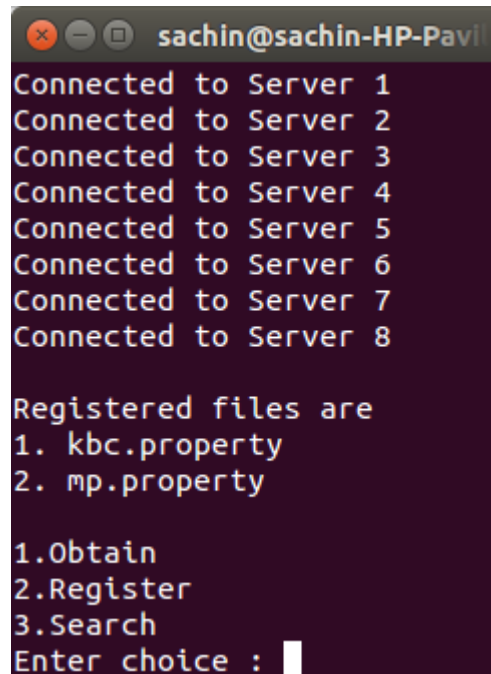


OUTPUT :

1. Total 8 Clients connected Successfully.
After that it shows following options,
 1. Obtain
 2. Register
 3. SearchEnter choice :

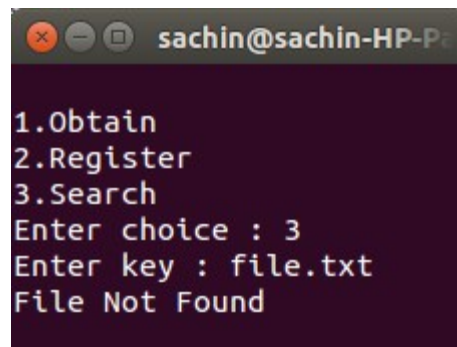
A terminal window titled 'sachin@sachin-HP-Pavil' with a dark purple background and light green text. It displays the following output:

```
Connected to Server 1
Connected to Server 2
Connected to Server 3
Connected to Server 4
Connected to Server 5
Connected to Server 6
Connected to Server 7
Connected to Server 8

Registered files are
1. kbc.property
2. mp.property

1.Obtain
2.Register
3.Search
Enter choice : 
```

2. Search for file which is not present in HASHTABLE.
KEY '**abc.txt**' is not present in HASHTABLE. So it throws **NotFound** error.

A terminal window titled 'sachin@sachin-HP-Pc' with a dark purple background and light green text. It displays the following output:

```
1.Obtain
2.Register
3.Search
Enter choice : 3
Enter key : file.txt
File Not Found
```

3. Register new file in HASHTABLE.
Here new file name is 'newfile.txt'
For successful insertion, it shows message as 'Registered'.

```
sachin@sachin-HP-Pavilion-15-Notebook-PC: ~/workspace//  
1.Obtain  
2.Register  
3.Search  
Enter choice : 2  
Enter key : file.txt  
path: /home/sachin/workspace/A3_1/ServerFiles/file.txt  
Result Registered
```

4. Obtain file from another client.
If file exists then it will gets download into client's machine.

```
sachin@sachin-HP-Pavilion-15-Notebook-PC: ~/workspace/A3_  
1.Obtain  
2.Register  
3.Search  
Enter choice : 1  
Enter key : file.txt  
ppppp 10.0.0.30:5510 pppp  
IPport:10.0.0.30:5510 Addr:/home/sachin/workspace/A3_1/S  
erverFiles/file.txt Filename:file.txt  
FileSize: 0.0068359375 kb
```

5. File is available at more than one Peer if someone want to OBTAIN that file.

```
sachin@sachin-HP-Pavilion-15-Notebook-PC: ~/workspace/A3_6  
1.Obtain  
2.Register  
3.Search  
Enter choice : 1  
Enter key : file.txt  
File is available total 2 Servers as follows :  
1: 10.0.0.30:5510wwwwww/home/sachin/workspace/A3_1/ServerFiles  
/file.txtqqqqfile.txtrrrrr7  
  
2: 10.0.0.30:5550wwwwww/home/sachin/workspace/A3_5/ServerFiles  
/file.txtqqqqfile.txtrrrrr7  
  
Enter your choice: █
```