Programming Assignment-1

Name: Dheeraj Reddy Banda

Evaluation

Indexing server listening

Connecting to the indexing server

Registering a file

```
dheeraj-2@ubuntu-2: ~

dheeraj-2@ubuntu-2:~$ ./client3
Enter the IP address of server
192.168.0.149
IP is: 192.168.0.149
Connection established
Tasks
1. Register a file
2. search for a file
3. exit
1
What is the file name?
new2.txt

Connection Closed

dheeraj-2@ubuntu-2:~$
```

File_info (file where the meta data is stored)

```
dheeraj-1@ubuntu-1: ~

hello1.txt 192.168.0.163
hello.txt 192.168.0.163
hi.txt 192.168.0.150
new.txt 192.168.0.150
new1.txt 192.168.0.150
new2.txt 192.168.0.150
new2.txt 192.168.0.150
~
~
~
~
~
~
~
~
```

Searching for a file

```
dheeraj-2@ubuntu-2:~$ ./client3
Enter the IP address of server
192.168.0.149
IP is: 192.168.0.149
Connection established
Tasks
1. Register a file
2. search for a file
3. exit
2
What is the file name?
hi.txt
IP addr: 192.168.0.150
Do you want to continue for another task(Y/N):
```

Connecting to p2p server and retrieving the file

```
dheeraj-2@ubuntu-2:~$ ./client3
Enter the IP address of    dheeraj-2@ubuntu-2: ~
192.168.0.150
IP is: 192.168.0.150
data server connection estblished

new.txt
hi this is my first file.

Connection Closed

^C
dheeraj-2@ubuntu-2:~$ ls
bash123.sh  binfiles  client1    client.c    Downloads  hi34.txt    Music     p2pserver.c  server    snap
bash1.sh    client    client1.c  Desktop     file3.c    masterfile  new.txt   Pictures     server1   Templates
bash321.sh  client.   client3    Documents   file4.c    mb.txt      p2pclient.c  Public    server1.c  Videos
dheeraj-2@ubuntu-2:~$ ls | grep new.txt
new.txt
dheeraj-2@ubuntu-2:~$
```