Output

Text in BLACK is console output and text in **RED** is console input.

Distributed Hash Table (Peer):

Run command: make run

Output:

********** PEER CLIENT STARTED **********

********** PEER SERVER STARTED **********

What do you want to do?
1.Register a file with the peers.
2.Search for a file.
3.Un-register a file with the peers.
4.Print log of this peer.
5.Exit.
Enter choice and press ENTER: **1**

Enter name of the file with extension (Example: data.txt) you want to put in file sharing system: **tiger.jpg**

tiger.jpg added to the file sharing system and is available to download for other peers.

Time Taken: 0.096 seconds.

What do you want to do?
1.Register a file with the peers.
2.Search for a file.
3.Un-register a file with the peers.
4.Print log of this peer.
5.Exit.
Enter choice and press ENTER: **1**

Enter name of the file with extension (Example: data.txt) you want to put in file sharing system: **tiger.jpg**

A file with the same name is already registered by this peer. Would you like to overwrite it? (Y/N): **y**

Time taken: 0.045 seconds

tiger.jpg added to the file sharing system and is available to download for other peers.

Time Taken: 1.377 seconds.

What do you want to do?

1.Register a file with the peers.

2.Search for a file.

3.Un-register a file with the peers.

4.Print log of this peer.

5.Exit.

Enter choice and press ENTER: **2**

Enter name of the file you want to look for:

tiger.jpg

File Found. Lookup time: 0.046 seconds.

Do you want to download this file?(Y/N): **y**

Downloading file tiger.jpg

Requesting file.........

Downloading file........

File downloaded successfully in 0.109 seconds.

What do you want to do?

1.Register a file with the peers.

2.Search for a file.

3.Un-register a file with the peers.

4.Print log of this peer.

5.Exit.

Enter choice and press ENTER: **2**

Enter name of the file you want to look for:

texas.txt

File Found. Lookup time: 0.047 seconds.

Do you want to download (D) or print this file (P)? Enter (D/P): **P**

Downloading file texas.txt

Requesting file.........

Downloading file........

File downloaded successfully in 0.006 seconds.

THE FILE HAS BEEN DOWNLOADED TO THE downloads FOLDER IN THE CURRENT LOCATION

AND THE CONTENTS OF THE FILE ARE BELOW. PRINTING ONLY FIRST 1000 CHARACTERS.

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The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over the lazy dog.The quick brown fox jumps over t

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What do you want to do?
1.Register a file with the peers.
2.Search for a file.
3.Un-register a file with the peers.
4.Print log of this peer.
5.Exit.
Enter choice and press ENTER: **1**

Enter name of the file with extension (Example: data.txt) you want to put in file sharing system:

abc

File with the given filename does not exist in [files/] path.

What do you want to do?
1.Register a file with the peers.
2.Search for a file.
3.Un-register a file with the peers.
4.Print log of this peer.
5.Exit.
Enter choice and press ENTER: **3**

Enter the name of the file you want remove from file sharing system:

texas.txt

Are you sure (Y/N)?: **y**

The file was successfully removed from the file sharing system.

Time taken: 0.045 seconds

What do you want to do?

1.Register a file with the peers.

2.Search for a file.

3.Un-register a file with the peers.

4.Print log of this peer.

5.Exit.

Enter choice and press ENTER: **2**

Enter name of the file you want to look for:

texas.txt

File not found. Lookup time: 0.05 seconds.

What do you want to do?

1.Register a file with the peers.

2.Search for a file.

3.Un-register a file with the peers.

4.Print log of this peer.

5.Exit.

Enter choice and press ENTER: **4**

LOG

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11-07-2015 15:31:50 => Connected with /192.168.206.131.

11-07-2015 15:31:50 => Serving PUT(p4file50mb.test,192.168.206.131) request of 192.168.206.131.

11-07-2015 15:31:50 => PUT(p4file50mb.test,192.168.206.131) for 192.168.206.131 completed successfully.

11-07-2015 15:32:05 => Connected with /127.0.0.1.

11-07-2015 15:32:05 => Uploding/Sending file p1file400mb.test

11-07-2015 15:34:34 => File sent successfully.

11-07-2015 18:06:48 => Connected with /192.168.206.128.

11-07-2015 18:06:48 => Uploding/Sending file tiger.jpg

11-07-2015 18:06:48 => File sent successfully.

11-07-2015 18:08:49 => Connected with /192.168.206.128.

11-07-2015 18:08:49 => Uploding/Sending file texas.txt

11-07-2015 18:08:49 => File sent successfully.

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What do you want to do?

1.Register a file with the peers.

2.Search for a file.

3.Un-register a file with the peers.

4.Print log of this peer.

5.Exit.

Enter choice and press ENTER: **5**

The files shared by this peer will no longer be accessible by other peers in this network. Are you sure you want to exit? (Y/N)?: **y**

Thanks for using this system.