Output

Case 1:

Registering file on Indexing server

```
[java]
[java]
[java] ************************************************************
[java] *  A Simple Napster Style Peer to Peer File Sharing System  *
[java] ************************************************************
[java] 1. Register file on server
[java] 2. Search and download file
[java] 3. Search and delete file on server
[java] 4. Exit
[java] Enter your choice :
1
[java]
[java] Enter file Names :
file1
[java] Peer - 192.168.0.10|9992: file1 registered
[java]
[java]
[java]
[java] ************************************************************
[java] *  A Simple Napster Style Peer to Peer File Sharing System  *
[java] ************************************************************
[java] 1. Register file on server
[java] 2. Search and download file
[java] 3. Search and delete file on server
[java] 4. Exit
[java] Enter your choice :
1
[java]
[java] Enter file Names :
file2
[java] Peer - 192.168.0.10|9992: file2 registered
[java]
[java]
[java]
[java] ************************************************************
[java] *  A Simple Napster Style Peer to Peer File Sharing System  *
[java] ************************************************************
[java] 1. Register file on server
[java] 2. Search and download file
[java] 3. Search and delete file on server
[java] 4. Exit
[java] Enter your choice :
```

Case 2:

Search and download file:

```
     [java]
     [java]
     [java]
     [java] ************************************************************
     [java] *  A Simple Napster Style Peer to Peer File Sharing System  *
     [java] ************************************************************
     [java] 1. Register file on server
     [java] 2. Search and download file
     [java] 3. Search and delete file on server
     [java] 4. Exit
     [java] Enter your choice :
2
     [java]
     [java] Enter name of the file to search :
file1
     [java]
     [java] File - file1 found at these peers :
     [java] Peer 0  -   192.168.0.10|9991
     [java] Peer 1  -   192.168.0.10|9992
     [java]
     [java] Do you wish to download the file? (Y/N)
Y
     [java]
     [java] Select the peer from which you want to download:
     [java] 1> 192.168.0.10|9991
     [java] 2> 192.168.0.10|9992
2
     [java]
     [java] Connecting to the peer (192.168.0.10|9992) to download the file
     [java] Connected with the peer => peerIP:192.168.0.10, peerPort:9992
     [java]
     [java] Downloading file....
     [java]
     [java] File Downloaded Successfully !!
     [java]
     [java]
     [java]
     [java]
     [java] ************************************************************
     [java] *  A Simple Napster Style Peer to Peer File Sharing System  *
     [java] ************************************************************
     [java] 1. Register file on server
     [java] 2. Search and download file
     [java] 3. Search and delete file on server
     [java] 4. Exit
     [java] Enter your choice :
```

Case 3:

Search and delete a file:

```
[java]
[java]
[java] *************************************************************
[java] *  A Simple Napster Style Peer to Peer File Sharing System  *
[java] *************************************************************
[java] 1. Register file on server
[java] 2. Search and download file
[java] 3. Search and delete file on server
[java] 4. Exit
[java] Enter your choice :
3
[java]
[java] Enter name of the file to search :
file1
[java]
[java] File - file1 found at these peers :
[java] Peer 0  -  192.168.0.10|9990
[java] Peer 1  -  192.168.0.10|9991
[java] Peer 2  -  192.168.0.10|9992
[java]
[java] Select the peer from which you want to delete file:
[java] 1> 192.168.0.10|9990
[java] 2> 192.168.0.10|9991
[java] 3> 192.168.0.10|9992
2
[java]
[java] Connecting to the peer (192.168.0.10|9991) to delete the file
[java]
[java]
[java]
[java] *************************************************************
[java] *  A Simple Napster Style Peer to Peer File Sharing System  *
[java] *************************************************************
[java] 1. Register file on server
[java] 2. Search and download file
[java] 3. Search and delete file on server
[java] 4. Exit
[java] Enter your choice :
2
[java]
[java] Enter name of the file to search :
file1
[java]
[java] File - file1 found at these peers :
[java] Peer 0  -  192.168.0.10|9990
[java] Peer 1  -  192.168.0.10|9992
[java]
[java] Do you wish to download the file? (Y/N)
```

Server logs:

```
IndexServer git:(master) ✗ ant clean
ant compile
ant jar
ant run
Buildfile: /Users/Kunal/Documents/workspace/IndexServer/build.xml

clean:
   [delete] Deleting directory /Users/Kunal/Documents/workspace/IndexServer/build

BUILD SUCCESSFUL
Total time: 0 seconds
Buildfile: /Users/Kunal/Documents/workspace/IndexServer/build.xml

compile:
    [mkdir] Created dir: /Users/Kunal/Documents/workspace/IndexServer/build/classes
    [javac] Compiling 2 source files to /Users/Kunal/Documents/workspace/IndexServer/build/classes

BUILD SUCCESSFUL
Total time: 0 seconds
Buildfile: /Users/Kunal/Documents/workspace/IndexServer/build.xml

jar:
    [mkdir] Created dir: /Users/Kunal/Documents/workspace/IndexServer/build/jar
      [jar] Building jar: /Users/Kunal/Documents/workspace/IndexServer/build/jar/IndexServer.jar

BUILD SUCCESSFUL
Total time: 0 seconds
Buildfile: /Users/Kunal/Documents/workspace/IndexServer/build.xml

run:
     [java] Server starting at Port : 9999
     [java] Server Started
     [java]
     [java]
     [java] File register request from :192.168.0.10 Port : 9990
     [java]
     [java] File register request from :192.168.0.10 Port : 9991
     [java]
     [java] File register request from :192.168.0.10 Port : 9991
     [java] File found!!
     [java]
     [java] File register request from :192.168.0.10 Port : 9992
     [java] File found!!
     [java] File found!!
```