

# Output File

## 1. When Index server get up

```
abhiJeet@abhiJeet-Inspiron-5547: ~/workspace/PA/NapsterP2P
abhiJeet@abhiJeet-Inspiron-5547:~/workspace/PA/NapsterP2P/src$ cd ..
abhiJeet@abhiJeet-Inspiron-5547:~/workspace/PA/NapsterP2P$ ant
Buildfile: /home/abhiJeet/workspace/PA/NapsterP2P/build.xml

clean:
[delete] Deleting directory /home/abhiJeet/workspace/PA/NapsterP2P/build

compile:
[mkdir] Created dir: /home/abhiJeet/workspace/PA/NapsterP2P/build/classes
[javac] /home/abhiJeet/workspace/PA/NapsterP2P/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last
; set to false for repeatable builds
[javac] Compiling 2 source files to /home/abhiJeet/workspace/PA/NapsterP2P/build/classes

jar:
[mkdir] Created dir: /home/abhiJeet/workspace/PA/NapsterP2P/build/jar
[jar] Building jar: /home/abhiJeet/workspace/PA/NapsterP2P/build/jar/NapsterP2P.jar

run:
[java] IndexServer listening on Port:4444
```

## 2. When Client get up

```
abhiJeet@abhiJeet-Inspiron-5547: ~/workspace/PA/peerone
[ java ] Enter your choice:
3
BUILD SUCCESSFUL
Total time: 2 minutes 22 seconds
abhiJeet@abhiJeet-Inspiron-5547:~/workspace/PA/peerone$ clear

abhiJeet@abhiJeet-Inspiron-5547:~/workspace/PA/peerone$ clear

abhiJeet@abhiJeet-Inspiron-5547:~/workspace/PA/peerone$ ant
Buildfile: /home/abhiJeet/workspace/PA/peerone/build.xml

clean:
[delete] Deleting directory /home/abhiJeet/workspace/PA/peerone/build

compile:
[mkdir] Created dir: /home/abhiJeet/workspace/PA/peerone/build/classes
[javac] /home/abhiJeet/workspace/PA/peerone/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last; set to false for repeatable builds
[javac] Compiling 3 source files to /home/abhiJeet/workspace/PA/peerone/build/classes

jar:
[mkdir] Created dir: /home/abhiJeet/workspace/PA/peerone/build/jar
[jar] Building jar: /home/abhiJeet/workspace/PA/peerone/build/jar/peertwo.jar

run:
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```

### 3. When Client 1 Register

```
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/PA/peerone
[delete] Deleting directory /home/abhiijeet/workspace/PA/peerone/build

compile:
[mkdir] Created dir: /home/abhiijeet/workspace/PA/peerone/build/classes
[javac] /home/abhiijeet/workspace/PA/peerone/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last; set to false for repeatable builds
[javac] Compiling 3 source files to /home/abhiijeet/workspace/PA/peerone/build/classes

jar:
[mkdir] Created dir: /home/abhiijeet/workspace/PA/peerone/build/jar
[jar] Building jar: /home/abhiijeet/workspace/PA/peerone/build/jar/peertwo.jar

run:
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
1
[java] Below files got registered
[java] files:FirstYear.txt~
[java] files:Marksheets.txt
[java] files:IDM.pdf
[java] files:downloadedFile.txt
[java] files:Marksheets.txt~
[java] files:Resume.txt~
[java] files:Resume.txt
[java] files:FirstYear.txt
[java] files:AdmissionLetter.txt
[java] files:Friends.avi
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```

### 4. When Client 2 Register

```
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/PA/peertwo
abhiijeet@abhiijeet-Inspiron-5547:~/workspace/PA/peertwo$ ant
Buildfile: /home/abhiijeet/workspace/PA/peertwo/build.xml

clean:
[delete] Deleting directory /home/abhiijeet/workspace/PA/peertwo/build

compile:
[mkdir] Created dir: /home/abhiijeet/workspace/PA/peertwo/build/classes
[javac] /home/abhiijeet/workspace/PA/peertwo/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last; set to false for repeatable builds
[javac] Compiling 5 source files to /home/abhiijeet/workspace/PA/peertwo/build/classes

jar:
[mkdir] Created dir: /home/abhiijeet/workspace/PA/peertwo/build/jar
[jar] Building jar: /home/abhiijeet/workspace/PA/peertwo/build/jar/peertwo.jar

run:
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
1
[java] Below files got registered
[java] files:Test.txt
[java] files:Test2.txt~
[java] files:Test.txt~
[java] files:Test2.txt
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```

## 5. When Client 3 get Register

```
abhijeet@abhijeet-Inspiron-5547: ~/workspace/PA/peerthree
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/peerthree$ ant
Buildfile: /home/abhijeet/workspace/PA/peerthree/build.xml

clean:
[delete] Deleting directory /home/abhijeet/workspace/PA/peerthree/build

compile:
[mkdir] Created dir: /home/abhijeet/workspace/PA/peerthree/build/classes
[javac] /home/abhijeet/workspace/PA/peerthree/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last;
set to false for repeatable builds
[javac] Compiling 3 source files to /home/abhijeet/workspace/PA/peerthree/build/classes

jar:
[mkdir] Created dir: /home/abhijeet/workspace/PA/peerthree/build/jar
[jar] Building jar: /home/abhijeet/workspace/PA/peerthree/build/jar/peertwo.jar

run:
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
1
[java] Below files got registered
[java] files:Marksheets.txt
[java] files:downloadedFile.txt
[java] files:Resume.txt
[java] files:FirstYear.txt
[java] files:AdmissionLetter.txt
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```

## 6. Server After registration done by the Clients

```
abhijeet@abhijeet-Inspiron-5547: ~/workspace/PA/NapsterP2P
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/NapsterP2P/src$ cd workspace/PA/NapsterP2P/src/
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/NapsterP2P/src$ ant
Buildfile: build.xml does not exist!
Build failed
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/NapsterP2P/src$ clear
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/NapsterP2P/src$ cd ..
abhijeet@abhijeet-Inspiron-5547:~/workspace/PA/NapsterP2P$ ant
Buildfile: /home/abhijeet/workspace/PA/NapsterP2P/build.xml

clean:
[delete] Deleting directory /home/abhijeet/workspace/PA/NapsterP2P/build

compile:
[mkdir] Created dir: /home/abhijeet/workspace/PA/NapsterP2P/build/classes
[javac] /home/abhijeet/workspace/PA/NapsterP2P/build.xml:10: warning: 'includeantruntime' was not set, defaulting to build.sysclasspath=last
; set to false for repeatable builds
[javac] Compiling 2 source files to /home/abhijeet/workspace/PA/NapsterP2P/build/classes

jar:
[mkdir] Created dir: /home/abhijeet/workspace/PA/NapsterP2P/build/jar
[jar] Building jar: /home/abhijeet/workspace/PA/NapsterP2P/build/jar/NapsterP2P.jar

run:
[java] IndexServer listening on Port:4444
[java] {FirstYear.txt=[192.168.1.114:1111], Marksheets.txt=[192.168.1.114:1111], IDM.pdf=[192.168.1.114:1111], downloadedFile.txt=[192.168
.1.114:1111], Marksheets.txt=[192.168.1.114:1111], Resume.txt=[192.168.1.114:1111], Resume.txt=[192.168.1.114:1111], FirstYear.txt=[192.168.1.
114:1111], AdmissionLetter.txt=[192.168.1.114:1111], Friends.avi=[192.168.1.114:1111]}
[java] {FirstYear.txt=[192.168.1.114:1111], Marksheets.txt=[192.168.1.114:1111], IDM.pdf=[192.168.1.114:1111], downloadedFile.txt=[192.168
.1.114:1111], Marksheets.txt=[192.168.1.114:1111], Resume.txt=[192.168.1.114:1111], Resume.txt=[192.168.1.114:1111], FirstYear.txt=[192.168.1.
114:1111], AdmissionLetter.txt=[192.168.1.114:1111], Friends.avi=[192.168.1.114:1111], Test.txt=[192.168.1.114:2222], Test2.txt=[192.168.1.114:
2222], Test.txt=[192.168.1.114:2222], Test2.txt=[192.168.1.114:2222]}
[java] {FirstYear.txt=[192.168.1.114:1111], Marksheets.txt=[192.168.1.114:1111, 192.168.1.114:3333], IDM.pdf=[192.168.1.114:1111], downloa
dedFile.txt=[192.168.1.114:1111, 192.168.1.114:3333], Marksheets.txt=[192.168.1.114:1111], Resume.txt=[192.168.1.114:1111], Resume.txt=[192.16
8.1.114:1111, 192.168.1.114:3333], FirstYear.txt=[192.168.1.114:1111, 192.168.1.114:3333], AdmissionLetter.txt=[192.168.1.114:1111, 192.168.1.11
4:3333], Friends.avi=[192.168.1.114:1111], Test.txt=[192.168.1.114:2222], Test2.txt=[192.168.1.114:2222], Test.txt=[192.168.1.114:2222], Test2
.txt=[192.168.1.114:2222]}
```

## 7. When Client Search for file and file get downloaded successfully

```
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/PA/peertwo
[javac] Compiling 5 source files to /home/abhiijeet/workspace/PA/peertwo/build/classes
jar:
[mkdir] Created dir: /home/abhiijeet/workspace/PA/peertwo/build/jar
[jar] Building jar: /home/abhiijeet/workspace/PA/peertwo/build/jar/peertwo.jar
run:
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
1
[java] Below files got registered
[java] files:Test.txt
[java] files:Test2.txt~
[java] files:Test2.txt~
[java] files:Test2.txt
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
2
[java]
[java] Enter the File name you want to search
Resume.txt
[java] Searching.....
[java] File :Resume.txtis available on
[java] IP ADDRESS: 192.168.1.114 PORT: 1111
[java] IP ADDRESS: 192.168.1.114 PORT: 3333
[java] File Resume.txt received from client.
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```

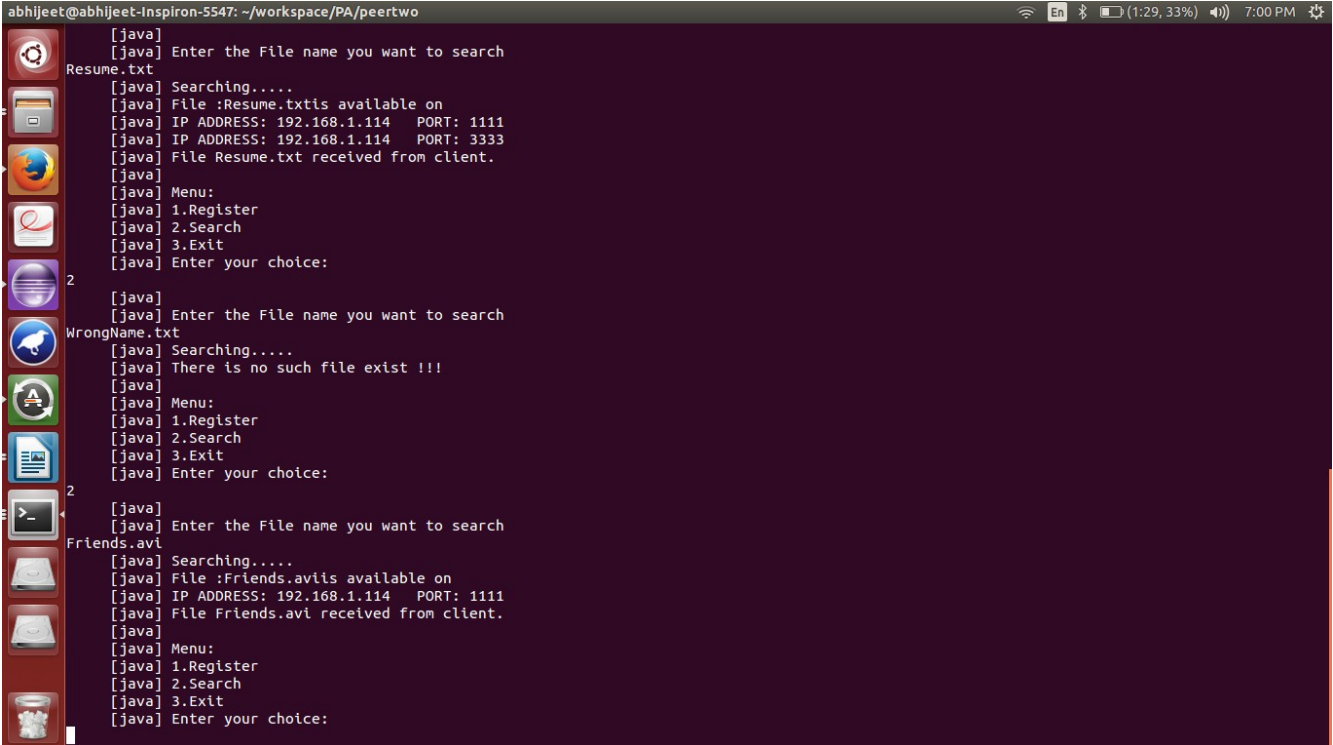
## 8. When Client Enter wrong name to search and download file

```
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/PA/peertwo
[java] Enter your choice:
1
[java] Below files got registered
[java] files:Test.txt
[java] files:Test2.txt~
[java] files:Test2.txt~
[java] files:Test2.txt
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
2
[java]
[java] Enter the File name you want to search
Resume.txt
[java] Searching.....
[java] File :Resume.txtis available on
[java] IP ADDRESS: 192.168.1.114 PORT: 1111
[java] IP ADDRESS: 192.168.1.114 PORT: 3333
[java] File Resume.txt received from client.
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
2
[java]
[java] Enter the File name you want to search
WrongName.txt
[java] Searching.....
[java] There is no such file exist !!!
[java]
[java] Menu:
[java] 1.Register
[java] 2.Search
[java] 3.Exit
[java] Enter your choice:
```



## 9. Application is able to send the binary file as well

Here in below screen shot you find the file with extension .AVI has been downloaded successfully



```
abhiyeet@abhiyeet-Inspiron-5547: ~/workspace/PA/peertwo
[ java ]
[ java ] Enter the File name you want to search
Resume.txt
[ java ] Searching.....
[ java ] File :Resume.txtis available on
[ java ] IP ADDRESS: 192.168.1.114   PORT: 1111
[ java ] IP ADDRESS: 192.168.1.114   PORT: 3333
[ java ] File Resume.txt received from client.
[ java ]
[ java ] Menu:
[ java ] 1.Register
[ java ] 2.Search
[ java ] 3.Exit
[ java ] Enter your choice:
2
[ java ]
[ java ] Enter the File name you want to search
WrongName.txt
[ java ] Searching.....
[ java ] There is no such file exist !!!
[ java ]
[ java ] Menu:
[ java ] 1.Register
[ java ] 2.Search
[ java ] 3.Exit
[ java ] Enter your choice:
2
[ java ]
[ java ] Enter the File name you want to search
Friends.avi
[ java ] Searching.....
[ java ] File :Friends.aviis available on
[ java ] IP ADDRESS: 192.168.1.114   PORT: 1111
[ java ] File Friends.avi received from client.
[ java ]
[ java ] Menu:
[ java ] 1.Register
[ java ] 2.Search
[ java ] 3.Exit
[ java ] Enter your choice:
```