Outputs

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# 1. Indexing Server:

NIKATARI-M-X1R5:~ nikatari$ ./server

**Received message** from client register:127.0.0.1:9001:try

**Spawning a thread for register request**

**New peer registered** 4

**Registring file try**

**Registered peer** 127.0.0.1:9001

**Received message from client lookup:try**

**Spawning a thread for search request**

**File name is try Length 3**

**Checking peer** 127.0.0.1:9001

# 2. Serving peer:

NIKATARI-M-X1R5:~ nikatari$ ./peer\_2 127.0.0.1 7891

**data port 7891**

**Connecting to the server**

Sending Registration Request **register:127.0.0.1:9001:try**

**Registered file**

**Registered files 127.0.0.1:9001**

**Received request for file try**

Sending bytes **1024**

Sending bytes 1024

Sending bytes 1024

Sending bytes 1024

Sending bytes 1024

Sending bytes 1024

Sending bytes 1024

Sending bytes 1024

Sending bytes **492**

End of file

# 3. Client peer:

NIKATARI-M-X1R5:new nikatari$ ./peer try 127.0.0.1 9000 127.0.0.1 7891

**Sending Lookup Request lookup:try**

**Following peers have the file**

**127.0.0.1:9001**

Bytes received **1024**

Bytes received 1024

Bytes received 1024

Bytes received 1024

Bytes received 1024

Bytes received 1024

Bytes received 1024

Bytes received 1024

Bytes received **492**

# 4. Binary file:

NIKATARI-M-X1R5:new nikatari$ ls -lrt

total 72

-rwxr-xr-x  1 nikatari  staff  14220 Sep 17 16:06 peer

-rwxrwxrwx  1 nikatari  staff  17368 Sep 17 16:42 try

NIKATARI-M-X1R5:new nikatari$ chmod 777 try

NIKATARI-M-X1R5:new nikatari$ ./try

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NIKATARI-M-X1R5:new nikatari$