IndexServer - output

Vishants-MacBook-Pro:Downloads vishantbhole$ python3 IndexServer.py

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51086', '.DS_Store')
{'onekb.txt': {'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer1|9036'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51087', 'tenkb.txt')
{'onekb.txt': {'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51088', 'onekb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51089', 'twentykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51090', 'thirtykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt': {'localhost|peer2|9037'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51091', '.DS_Store')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer2|9037', 'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt': {'localhost|peer2|9037'}}

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51092', 'onekb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'}, '.DS_Store': {'localhost|peer2|9037', 'localhost|peer1|9036'}, 'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt': {'localhost|peer2|9037'}}

Waiting patiently for search queries
Updated index - ('127.0.0.1', '51093', 'sixtykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer2|9037', 'localhost|peer1|9036'}, 'tenkb.txt':
{'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt':
{'localhost|peer2|9037'}, 'sixtykb.txt': {'localhost|peer3|9038'}}

Waiting patiently for search queries
Updated index - ('127.0.0.1', '51094', '.DS_Store')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer3|9038', 'localhost|peer2|9037', 'localhost|peer1|9036'},
'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt':
{'localhost|peer2|9037'}, 'sixtykb.txt': {'localhost|peer3|9038'}}

Waiting patiently for search queries
Updated index - ('127.0.0.1', '51095', 'fiftykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer3|9038', 'localhost|peer2|9037', 'localhost|peer1|9036'},
'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037'}, 'thirtykb.txt':
{'localhost|peer2|9037'}, 'sixtykb.txt': {'localhost|peer3|9038'}, 'fiftykb.txt':
{'localhost|peer3|9038'}}

Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51150', 'twentykb.py', 'notfound')

Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51151', 'twentykb.txt', 'localhost|peer2|9037')

Waiting patiently for search queries
Updated index - ('127.0.0.1', '51153', 'twentykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer3|9038', 'localhost|peer2|9037', 'localhost|peer1|9036'},
'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037',
'localhost|peer1|9036'}, 'thirtykb.txt': {'localhost|peer2|9037'}, 'sixtykb.txt':
{'localhost|peer3|9038'}, 'fiftykb.txt': {'localhost|peer3|9038'}}

Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51170', 'sixtykb.txt', 'localhost|peer3|9038')

Waiting patiently for search queries
Updated index - ('127.0.0.1', '51172', 'sixtykb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer3|9038', 'localhost|peer2|9037', 'localhost|peer1|9036'},
'tenkb.txt': {'localhost|peer1|9036'}, 'twentykb.txt': {'localhost|peer2|9037',

'localhost|peer1|9036'}, 'thirtykb.txt': {'localhost|peer2|9037'}, 'sixtykb.txt':
{'localhost|peer2|9037', 'localhost|peer3|9038'}, 'fiftykb.txt': {'localhost|peer3|9038'}}

 Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51178', 'tenkb.py', 'notfound')

 Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51179', 'tenkb.txt', 'localhost|peer1|9036')

 Waiting patiently for search queries
Updated index - ('127.0.0.1', '51181', 'tenkb.txt')
{'onekb.txt': {'localhost|peer1|9036', 'localhost|peer2|9037', 'localhost|peer1|1035'},
'.DS_Store': {'localhost|peer3|9038', 'localhost|peer2|9037', 'localhost|peer1|9036'},
'tenkb.txt': {'localhost|peer3|9038', 'localhost|peer1|9036'}, 'twentykb.txt':
{'localhost|peer2|9037', 'localhost|peer1|9036'}, 'thirtykb.txt': {'localhost|peer2|9037'},
'sixtykb.txt': {'localhost|peer2|9037', 'localhost|peer3|9038'}, 'fiftykb.txt':
{'localhost|peer3|9038'}}

 Waiting patiently for search queries
Sent serach result to - ('127.0.0.1', '51206', 'fourtykb.txt', 'notfound')

 Waiting patiently for search queries

Server1 - output

ishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py server peer1
localhost 9036

 Server started. One time ops. Update all files to index server

 Index server Updation complete

 Waiting patiently for new download requests
Recieved file request from ('127.0.0.1', 51180)
New sender started for client - ('127.0.0.1', '51180', './peer1/tenkb.txt')

 ## Successfully sent - ./peer1/tenkb.txt
 Waiting patiently for new download requests

Server2 - output

Vishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py server peer2 localhost 9037

Server started. One time ops. Update all files to index server

Index server Updation complete

Waiting patiently for new download requests
Recieved file request from ('127.0.0.1', 51152)
New sender started for client - ('127.0.0.1', '51152', './peer2/twentykb.txt')

Waiting patiently for new download requests

Successfully sent - ./peer2/twentykb.txt

Server3 - output

Vishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py server peer3 localhost 9038

Server started. One time ops. Update all files to index server

Index server Updation complete

Waiting patiently for new download requests
Recieved file request from ('127.0.0.1', 51171)
New sender started for client - ('127.0.0.1', '51171', './peer3/sixtykb.txt')

Waiting patiently for new download requests

Successfully sent - ./peer3/sixtykb.txt

Client1 - output

Vishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py client peer1 localhost 9036

Please input file name with extension. Or exit() to close.
twentykb.txt
receiving data...
receiving data...

Successfully received entire file

Client closed connection. Now updating index server

 ## Please input file name with extension. Or exit() to close.
onekb.txt
onekb.txt Already exists for this peer. No need to download from remote

 ## Please input file name with extension. Or exit() to close.

Client2 - output
Vishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py client peer2 localhost 9037

 ## Please input file name with extension. Or exit() to close.
sixtykb.txt
receiving data...
receiving data...

Successfully received entire file

 Client closed connection. Now updating index server

 ## Please input file name with extension. Or exit() to close.
fourtykb.txt

 Sorry file can not be found in any of the peer

 ## Please input file name with extension. Or exit() to close.

Client3 - output
Vishants-MacBook-Pro:Downloads vishantbhole$ python3 ~/Downloads/Peer1.py client peer3 localhost 9038

 ## Please input file name with extension. Or exit() to close.
tenkb.txt
receiving data...
receiving data...

Successfully received entire file

 Client closed connection. Now updating index server

 ## Please input file name with extension. Or exit() to close.