



Operating System Lab Tutorial (Project)

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Mimic of Remote Procedure (RPC)

This Assignment is to implement a simple client-server model on ftp program

- Client**

- **Pre-specified port**
- **Send a command repeatedly to Server**
(list, change directory, quit)

- Server**

- **Receive repeatedly a command and process it**
- **Reply to Client**



Mimic of Remote Procedure (RPC)

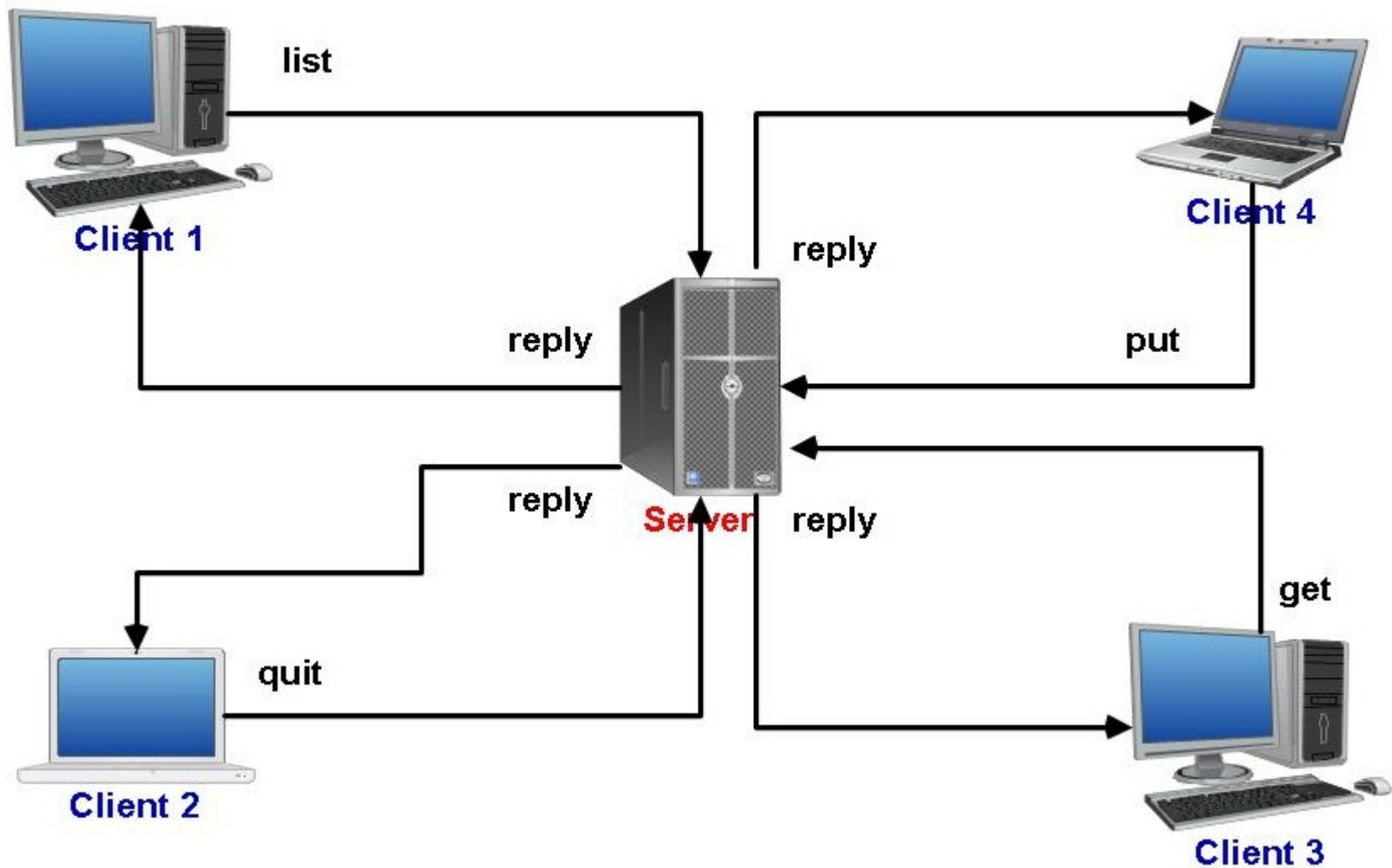
- **Communication Functions**
 - **DoOperation**
 - **GetRequest**
 - **SendReply**
- **Connection Functions**
 - **SendTCP**
 - **ReceiveTCP**



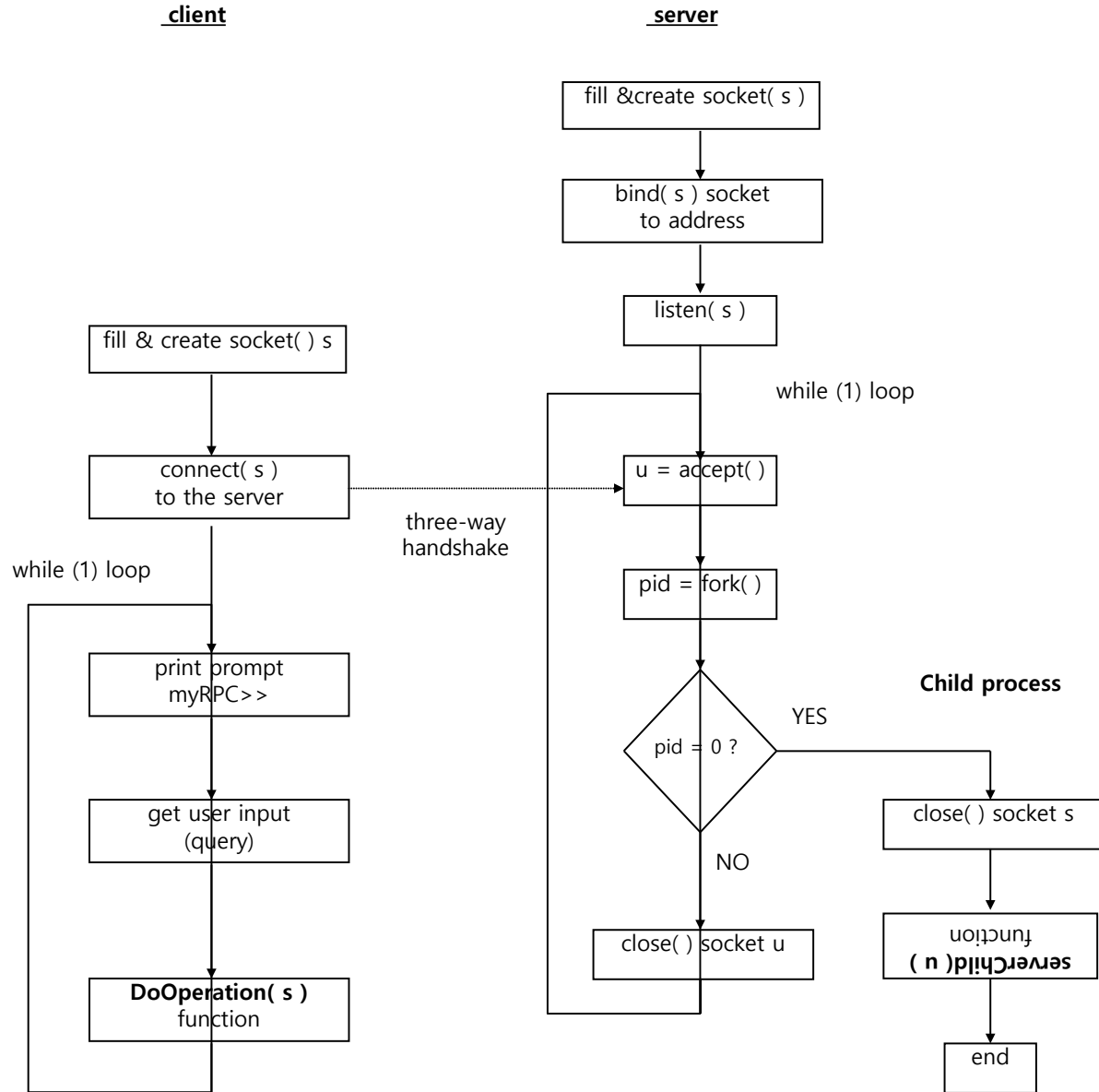
RPC

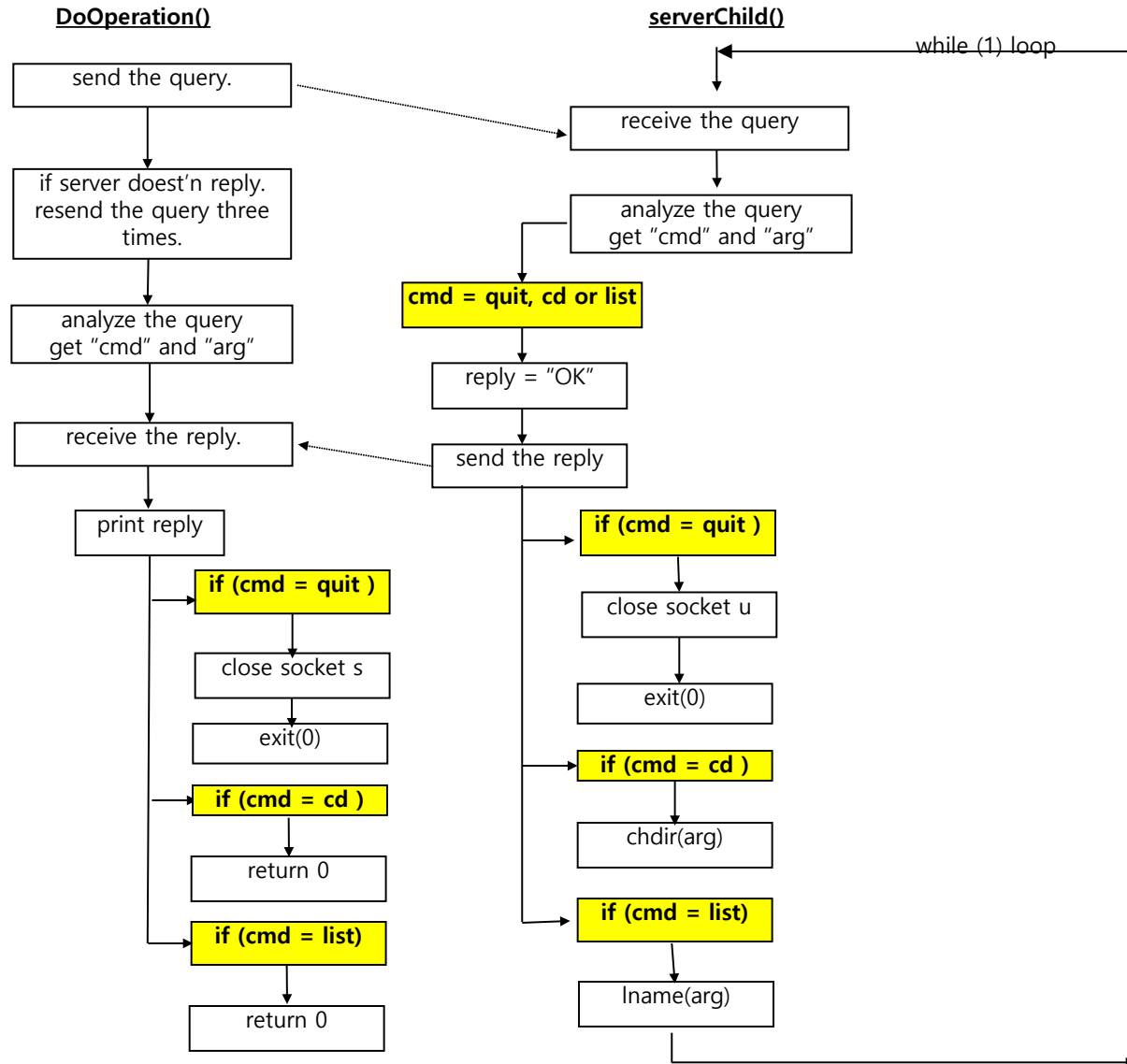
- **Basic Requirements**

- **Run Client & Server on two different machines**
- **Server never stop to run**
- **Add timeout (AnythingThere()) in the client, Wait 3 seconds & Contact 3 times**
- **Cleanup: Don't forget to kill processes after you're done!!!**



Block Diagram (RPC)







END

**Please DO SYSTEM LOG_OUT
when you leave!!**