READ ME

There are two separate make file for server and client.

**make -f make\_tcp\_iterative**

above command compiles server.

**make -f make\_tcp\_client\_file**

above command compiles client.

**make -f make\_tcp\_iterative clean**

above command removes all the server object files created.

**make -f make\_tcp\_client\_file clean**

above command removes all the client object files created.

**cd <directory>**

above command changes the directory where files are present.

This is a connection oriented(TCP) Iterative server where client requests for particular file to server. Once server gets the request it first searches the file, if file is present it opens the file and reads the content and sends the data to the client. Client then creates the file locally and stores all the data in that file.

Client Filename: **tcp\_client\_file.c**

Server Filename: **tcp\_iterative\_file\_server.c**

* Open two terminals and change the directory if applicable.
* Run the mentioned make files for server and client in their terminals respectively.
* In one terminal type the below mentioned command to start the server by giving the port number as command line argument.

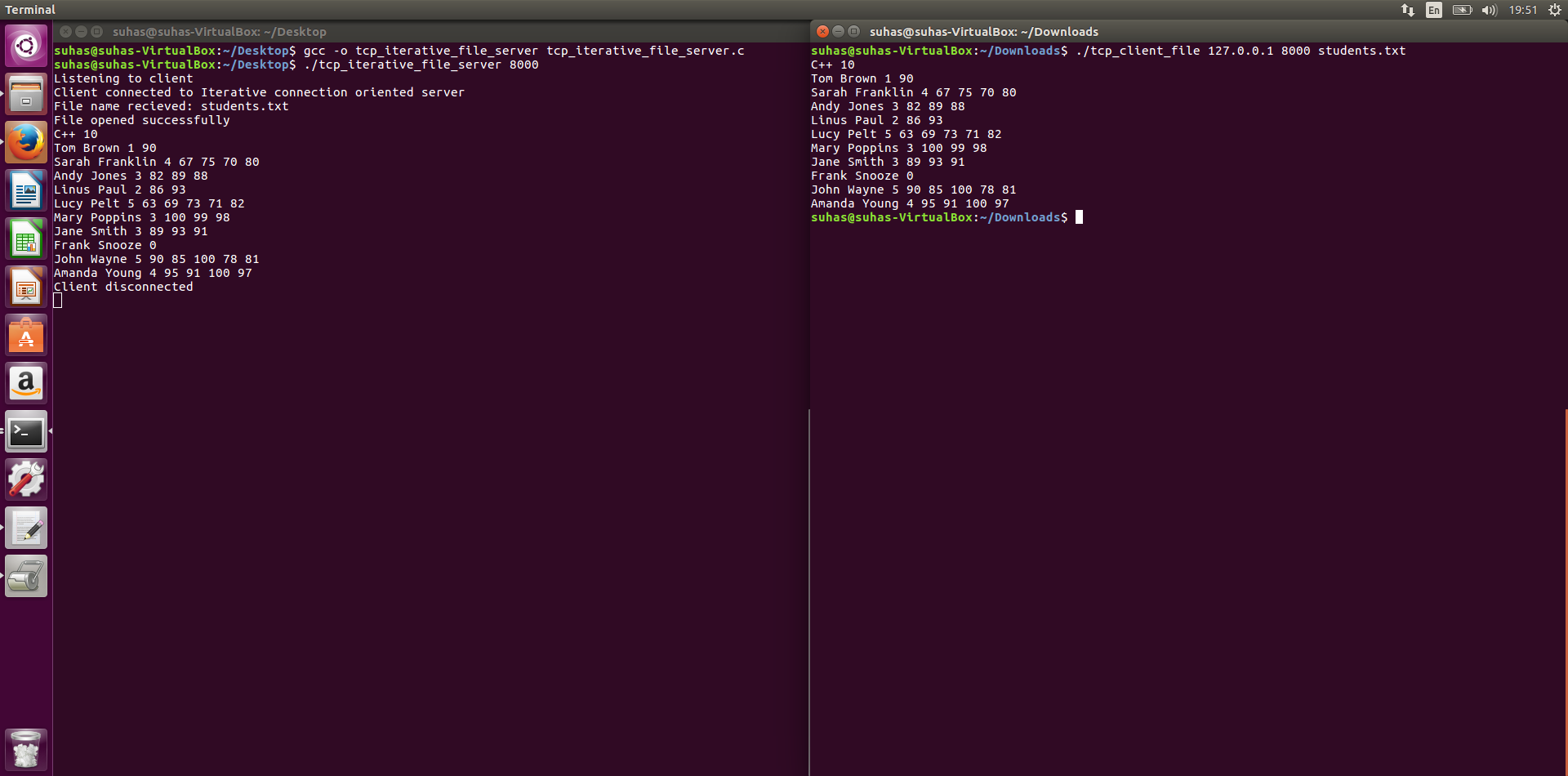
**./ tcp\_iterative\_file\_server 8000**

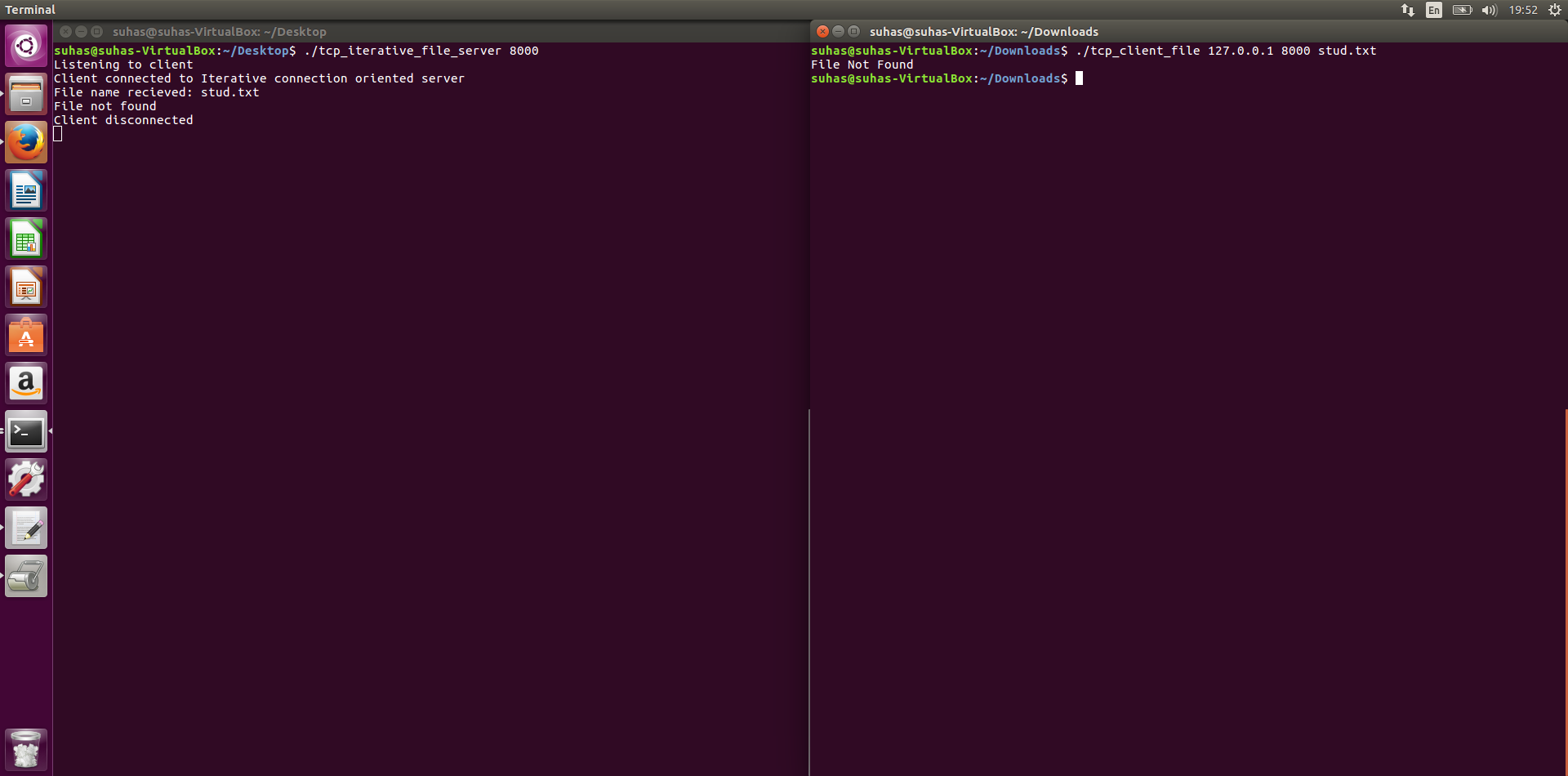
* After starting the server in one terminal run the client on other terminal. In order to do so use the below mentioned command along with port number and desired file name as command line arguments. Port number used here should be exactly same as used when invoking the server.

**./ tcp\_client\_file 127.0.0.1 8000 students.txt**

* At last use the mentioned make clean to remove all object files created.

**Sample screen shot:**

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