**INSTRUCTIONS:**

The Database software we have used is MYSQL (please download it from google to test our code) make sure you install driver required for connection between ‘C’ and MYSQL.

\*Driver  
sudo apt-get install libmysqlclient-dev

How to compile and run the code :

1. Extract the 173050043\_173050085.tar.gz file

2. The extracted folder contain the Report pdf , ReadMe file and the Code folder which contains the two C program which you have to import in your system.

3). import database “synergy” with user name “root” and password “synergy”

or make changes in tcp\_server.c global variable user and pass.

4). In Code folder first run the tcp\_server.c file

a) Command to compile and run the tcp\_server 1.c file:

$ gcc -o server $(mysql\_config --cflags) tcp\_server.c $(mysql\_config --libs) -lpthread

$ ./server

b) Then compile and run the tcp\_client.c file

Command:

$ gcc -o client $(mysql\_config --cflags) tcp\_client.c $(mysql\_config --libs) -lpthread

(running first client)

$ ./client

(running second client)

$ ./client

Commands to Import/ export database

\*Export

mysqldump -u root -p synergy > synergy.sql

\*Import

In mysql prompt

Create database synergy;

In terminal

mysql -u root -p synergy < synergy.sql

Database

user name:- root

password :- synergy

host :- localhost