HARDIK BT18CSE118

TDS RPC ASSIGNMENT

1. Implementation of an RPC client-server chat.

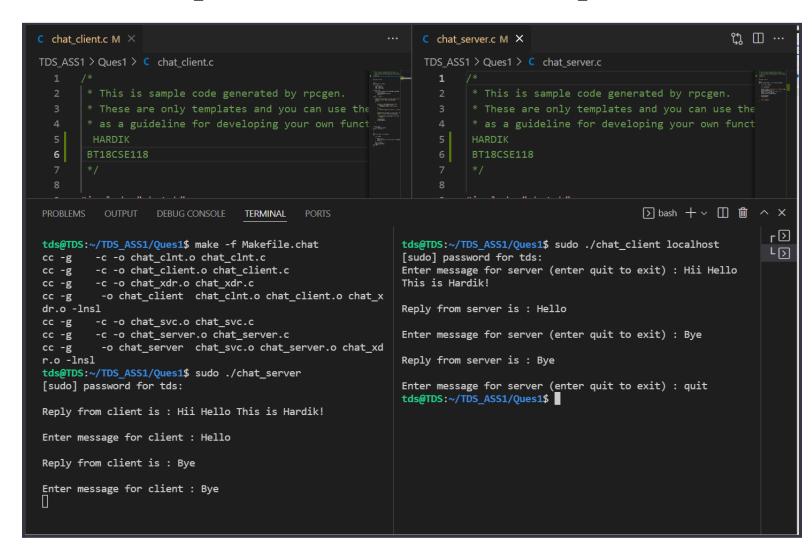
Instructions to run:

make -f Makefile.chat

Terminal 1 \rightarrow Terminal 2 \rightarrow

sudo ./chat server

sudo ./chat client localhost



→ This program aims at building a chatting system between client and server using RPC protocol.

2. Implementation of finding factorial of given number using RPC.

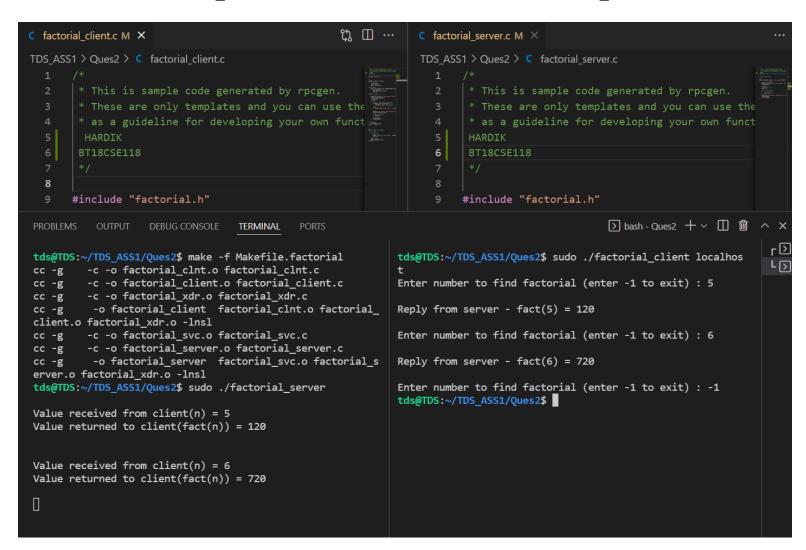
Instructions to run:

make -f Makefile.factorial

Terminal 1 \rightarrow Terminal 2 \rightarrow

sudo ./factorial server

sudo ./factorial client localhost



[→] This program aims at building a system between client and server using RPC protocol such that client sends a number and server returns its factorial .

3. Write a program that returns the current date and time using RPC.

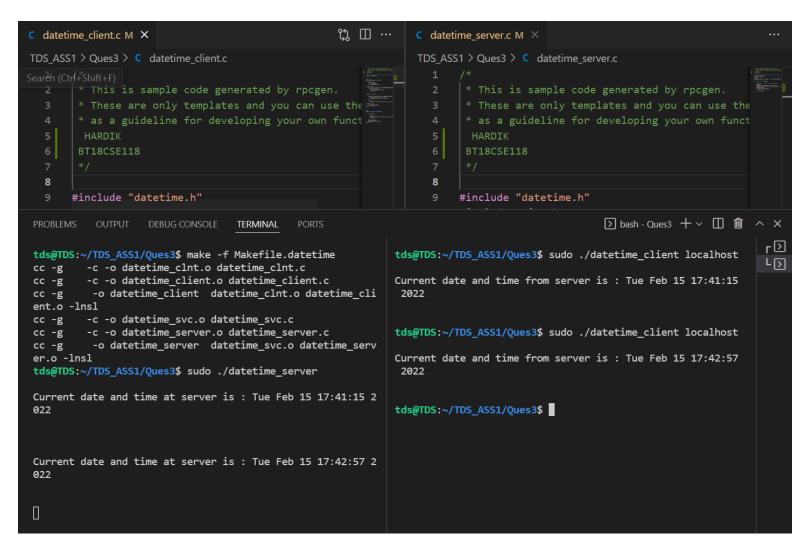
Instructions to run:

make -f Makefile.datetime

Terminal 1 \rightarrow Terminal 2 \rightarrow

sudo ./datetime_server

sudo ./datetime client localhost



→ This program aims at building a system between client and server using RPC protocol such that client sends a request and server returns current time.

NOTE: Time shown in screenshot is for East US time zone as I was working on a virtual machine hosted on azure cloud and the server was based out on East US.