

Assignment 2

1. Multi threading

[Multi-Threaded Programming With POSIX Threads \(villanova.edu\)](#)

[Multithreading in C++ - GeeksforGeeks](#)

Advanced Programming in the UNIX Environment, 3rd Edition-Chapter 11,12

[std::thread - cppreference.com](#)

Tasks:

Report submission:

(5 marks)

1. Submit self-learning notes for revision and future reference on the topics mentioned here.

Code submission:

(5+5 marks)

1. Do the earlier assignment exercises in multithreaded manner.
2. Try to extend to task for tracker.

Create a tracker program(which is multi-threaded server which saves information about files provided by peers(in future) with format(which will be discussed) and write in a file, and read it on demand and provide to a peer on request). This will be explained on what to implement.

Message from every peer it connects first time to tracker

Peername:Password:UserId:PortNo

Save it a file which managed by tracker

Commandline input

Peer.cpp

Waiting for input

Register

Peername:Password:UserId:PortNo

Print if success

Waiting for input

Get my details (prints details saved in tracker file)

