



Department of Computer Science and Engineering,
College of Engineering, Anna University, Guindy, Chennai.
CS6111 Computer Networks Laboratory

Year/Sem /Batch: III /V / P & R

Date: 22-Sep-2022

Exercise:6 – Implementation of File Transfer Protocol

1. Establish FTP protocol between client and a server using TCP connection. Split a larger file into two objects and transfer it as different objects in the same data connection.

Hint: FTP uses two parallel TCP connections to transfer a file, a control connection and a data connection. The control connection is initiated by the client and is used to send commands (LIST, STOR, RETR, QUIT) to the server. When the server side receives a command, it initiated the data connection which is used to actually send the file / list. Only one file is sent over the data connection and then the server closes the data connection. Each file is separated into parts/ objects (one-part length = 100) and then it is sent part by part to the client.