

# SFTP: Reliable Transfer over a Reliable Channel

## Step 1:

- There are two java classes: a) **TCPClient** b) **TCPServer**
- TCPClient.java will first create a File object from the input file location (eg: C:/Users/prathamvasa/Desktop/input3.txt)
- Make sure that you change the file path accordingly to point to the location of your specific input file.

## Step 2:

- The input file can be a **text file** or an **image file**.
- The TCPClient class is responsible for reading the bytes of data from the input file and send the data in chunks of bytes to the Server side.

## Step 3:

- The TCPServer class will then check for the incoming packet of data, break the incoming chunks of data (10 bytes) into updated chunks (5 bytes).
- The TCPServer class will then write the data to the output file.

## Program Execution Steps:

- 1) Make sure that you have the input file (text file/image file) ready.
- 2) Correctly specify the name of the output file with full path (text file/image file).
- 3) Specify the correct path of the input file in the UDPClient.java class
- 4) Compile both the classes first.
- 5) Firstly execute the following class: **TCPServer.java**
- 6) Secondly execute the class **TCPClient.java**
- 7) Check the contents of the output file.