**FileClient.java**

**import java.io.\*;**

**import java.net.Socket;**

**public class FileClient {**

**private static DataOutputStream dataOutputStream = null;**

**private static DataInputStream dataInputStream = null;**

**public static void main(String[] args)**

**{**

**// Create Client Socket connect to port 900**

**try (Socket socket = new Socket("localhost", 900)) {**

**dataInputStream = new DataInputStream(socket.getInputStream());**

**dataOutputStream = new DataOutputStream(socket.getOutputStream());**

**System.out.println("Sending the File to the Server");**

**// Call SendFile Method**

**sendFile("C:/20ce053/filetrans.txt");**

**dataInputStream.close();**

**dataInputStream.close();**

**}**

**catch (Exception e) {**

**e.printStackTrace();**

**}**

**}**

**// sendFile function define here**

**private static void sendFile(String path)**

**throws Exception**

**{**

**int bytes = 0;**

**// Open the File where he located in your pc**

**File file = new File(path);**

**FileInputStream fileInputStream= new FileInputStream(file);**

**// Here we send the File to Server**

**dataOutputStream.writeLong(file.length());**

**// Here we break file into chunks**

**byte[] buffer = new byte[4 \* 1024];**

**while ((bytes = fileInputStream.read(buffer))!= -1) {**

**// Send the file to Server Socket**

**dataOutputStream.write(buffer, 0, bytes);**

**dataOutputStream.flush();**

**}**

**// close the file here**

**fileInputStream.close();**

**}**

**}**

**FileServer.java**

**import java.io.DataInputStream;**

**import java.io.DataOutputStream;**

**import java.io.FileOutputStream;**

**import java.net.ServerSocket;**

**import java.net.Socket;**

**import java.io.\*;**

**public class FileServer {**

**private static DataOutputStream dataOutputStream = null;**

**private static DataInputStream dataInputStream = null;**

**FileRead frd = new FileRead();**

**public static void main(String[] args)**

**{**

**// Here we define Server Socket running on port 900**

**try (ServerSocket serverSocket**

**= new ServerSocket(900)) {**

**System.out.println("Server is Starting in Port 900");**

**// Accept the Client request using accept method**

**Socket clientSocket = serverSocket.accept();**

**System.out.println("Connected");**

**dataInputStream = new DataInputStream(clientSocket.getInputStream());**

**dataOutputStream = new DataOutputStream(clientSocket.getOutputStream());**

**// Here we call receiveFile define new for that**

**// file**

**receiveFile("filetrans.txt");**

**dataInputStream.close();**

**dataOutputStream.close();**

**clientSocket.close();**

**}**

**catch (Exception e) {**

**e.printStackTrace();**

**}**

**}**

**// receive file function is start here**

**private static void receiveFile(String fileName)**

**throws Exception**

**{**

**int bytes = 0;**

**FileOutputStream fileOutputStream= new FileOutputStream(fileName);**

**long size= dataInputStream.readLong(); // read file size**

**byte[] buffer = new byte[4 \* 1024];**

**while (size > 0&& (bytes = dataInputStream.read(buffer, 0,(int)Math.min(buffer.length, size)))!= -1) {**

**// Here we write the file using write method**

**fileOutputStream.write(buffer, 0, bytes);**

**size -= bytes; // read upto file size**

**}**

**// Here we received file**

**System.out.println(fileName+" File is Received");**

**String str = "";**

**int j;**

**while ((j = fileName.read()) != -1)**

**// Print all the content of a file**

**System.out.print((char)j);**

**// Passing the path to the file as a parameter**

**FileReader fr = new FileReader(**

**"C:\\20ce053\\filetrans.txt");**

**// Declaring loop variable**

**int i;**

**// Holds true till there is nothing to read**

**while ((i = fr.read()) != -1)**

**// Print all the content of a file**

**System.out.print((char)i);**

**}**

**}**