**Write a program using UDP Sockets to enable file transfer (Script, Text, Audio and Video one file each) between two machines**.

import java.io.BufferedInputStream;

import java.io.File;

import java.io.FileInputStream;

import java.io.OutputStream;

import java.net.InetAddress;

import java.net.ServerSocket;

import java.net.Socket;

public class FileTransferServer {

public static void main(String[] args) throws Exception {

//Initialize Sockets

ServerSocket ssock = new ServerSocket(5000);

Socket socket = ssock.accept();

//The InetAddress specification

InetAddress IA = InetAddress.getByName("localhost");

//Specify the file

File file = new File("/home/Student/1/final/A8\_udp\_socket/file.txt");

FileInputStream fis = new FileInputStream(file);

BufferedInputStream bis = new BufferedInputStream(fis);

//Get socket's output stream

OutputStream os = socket.getOutputStream();

//Read File Contents into contents array

byte[] contents;

long fileLength = file.length();

long current = 0;

long start = System.nanoTime();

while(current!=fileLength){

int size = 10000;

if(fileLength - current >= size)

current += size;

else{

size = (int)(fileLength - current);

current = fileLength;

}

contents = new byte[size];

bis.read(contents, 0, size);

os.write(contents);

System.out.print("Sending file ... "+(current\*100)/fileLength+"% complete!");

}

os.flush();

//File transfer done. Close the socket connection!

socket.close();

ssock.close();

System.out.println("File sent succesfully!");

}

}

\*\*\* OUTPUT\*\*\*

