**PROGRAM 9 (Server)**

//RUN FIRST

import java.io.DataInputStream;

import java.io.DataOutputStream;

import java.io.File;

import java.io.FileInputStream;

import java.net.ServerSocket;

import java.net.Socket;

import java.util.Scanner;

import java.io.\*;

import java.net.\*;

public class P9b\_TCPSERVER {

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

// TODO code application logic here

String filename;

System.out.println("Enter File Name: ");

Scanner sc=new Scanner(System.in);

filename=sc.nextLine();

sc.close();

while(true)

{

//create server socket on port 5000

ServerSocket ss=new ServerSocket(5000);

System.out.println ("Waiting for request");

Socket s=ss.accept();

System.out.println ("Connected With "+s.getInetAddress().toString());

DataInputStream din=new DataInputStream(s.getInputStream());

DataOutputStream dout=new DataOutputStream(s.getOutputStream());

try

{

String str="";

str=din.readUTF();

System.out.println("SendGet....Ok");

if(!str.equals("stop"))

{

System.out.println("Sending File: "+filename);

dout.writeUTF(filename);

dout.flush();

File f=new File(filename);

FileInputStream fin=new FileInputStream(f);

long sz=(int) f.length();

byte b[]=new byte [1024];

int read;

dout.writeUTF(Long.toString(sz));

dout.flush();

System.out.println ("Size: "+sz);

System.out.println ("Buf size: "+ss.getReceiveBufferSize());

/\*while((read = fin.read(b)) != -1)

{

dout.write(b, 0, read);

dout.flush();

}\*/

fin.close();

System.out.println("..ok");

dout.flush();

}

dout.writeUTF("stop");

System.out.println("Send Complete");

dout.flush();

}

catch(Exception e)

{

e.printStackTrace();

System.out.println("An error occured");

}

din.close();

s.close();

ss.close();

}

}

}