**Experiment No: 4**

Name: Suraj P. Patil Roll: 4120

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**Title:** Implementation of Network Time Protocol (NTP).

**Client Side Program -**

import java.io.\*;

import java.net.\*;

class DateClient

{

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

{

Socket soc=new Socket(InetAddress.getLocalHost(),5217);

BufferedReader in=new BufferedReader(new InputStreamReader(soc.getInputStream() ));

System.out.println(in.readLine());

}

}

**Server Side Program -**

import java.net.\*;

import java.io.\*;

import java.util.\*;

class DateServer

{

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

{

ServerSocket s=new ServerSocket(5217);

while(true)

{

System.out.println("Waiting For Connection ...");

Socket soc=s.accept();

DataOutputStream out=new DataOutputStream(soc.getOutputStream());

out.writeBytes("Server Date: " + (new Date()).toString() + "\n");

out.close();

soc.close();

}

}

}

**Output:**





