**TRACEROUTE**

**Source Code:**

import java.io.\*;

import java.net.\*;

class route {

public static void main(String[] args) {

String ip = "www.google.com";

String pingResult = "";

String pingCmd = "tracert " + ip;

try {

Runtime r = Runtime.getRuntime();

Process p = r.exec(pingCmd);

BufferedReader in = new BufferedReader(new

InputStreamReader(p.getInputStream()));

String inputLine;

while ((inputLine = in.readLine()) != null) {

System.out.println(inputLine);

pingResult += inputLine;

}

in.close();

} catch (IOException e) {

System.out.println(e);

} }}

**INPUT & OUTPUT**

D:\>javac route.java

D:\>java route

Tracing route to www.google.com [216.58.220.4]

over a maximum of 30 hops:

1 <1 ms <1 ms <1 ms 192.168.7.254

2 <1 ms <1 ms <1 ms 172.16.3.26

3 1 ms <1 ms <1 ms 210.212.253.65

4 16 ms 21 ms 6 ms 172.24.66.186

5 16 ms 15 ms 16 ms 218.248.235.162

6 18 ms 17 ms 15 ms 72.14.205.109

7 16 ms 17 ms 16 ms 72.14.232.110

8 57 ms 46 ms 46 ms 66.249.94.38

9 45 ms 47 ms 45 ms 74.125.37.235

10 48 ms 45 ms 45 ms bom05s05-in-f4.1e100.net [216.58.220.4]

Trace complete.