SharedMemory.java

import **java**.**io**.**BufferedReader**;

import **java**.**io**.**IOException**;

import **java**.**io**.**InputStreamReader**;

import **java**.**io**.**PrintStream**;

import **java**.**net**.**ServerSocket**;

import **java**.**net**.**Socket**;

public class **SharedMemory** {

static int a = 50;

static int count = 0;

public static int **getA**(**PrintStream** cout) {

count++;

cout.**println**(a);

return a;

}

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

**ServerSocket** ss = new **ServerSocket**(2000);

while (true) {

**Socket** sk = ss.**accept**();

**BufferedReader** cin = new **BufferedReader**(new

**InputStreamReader**(sk.**getInputStream**()));

**PrintStream** cout = new **PrintStream**(sk.**getOutputStream**());

**System**.out.**println**("Client from " + sk.**getInetAddress**().**getHostAddress**() + " Accepted");

**String** s = cin.**readLine**();

if (s.**equalsIgnoreCase**("show")) {

**getA**(cout);

} else {

cout.**println**("Check syntax");

*//break;*

}

**System**.out.**println**("Client count" + count);

}

}

}

SharedMemoryClient.java

import **java**.**io**.**BufferedReader**;

import **java**.**io**.**IOException**;

import **java**.**io**.**InputStreamReader**;

import **java**.**io**.**PrintStream**;

import **java**.**net**.**Socket**;

import **java**.**util**.**Scanner**;

public class **SharedMemoryClient** {

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

**Socket** sk = new **Socket**("Localhost", 2000);

**BufferedReader** sin = new **BufferedReader**(new **InputStreamReader**(sk.**getInputStream**()));

**PrintStream** sout = new **PrintStream**(sk.**getOutputStream**());

**Scanner** stdin = new **Scanner**(**System**.in);

**String** s;

while (true) {

**System**.out.**println**("Type show");

**System**.out.**println**("Client: ");

s = stdin.**nextLine**();

sout.**println**(s);

s = sin.**readLine**();

**System**.out.**println**("Answer " + s);

}

}

}



