

Andre J Plath

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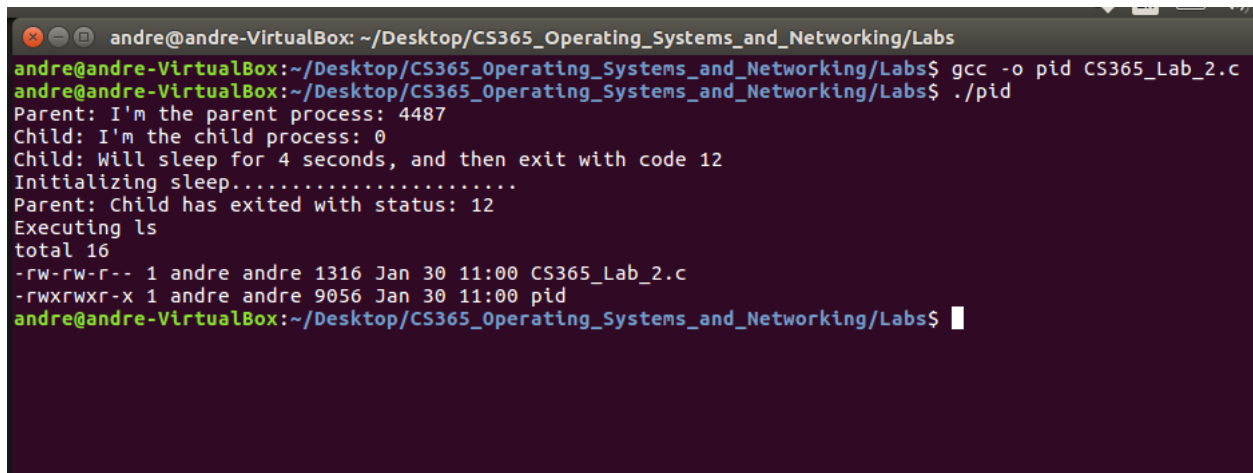
CS365 Operating Systems and Networking

January 30, 2018

CS365 Operating Systems and Networking Lab 2

Part I:

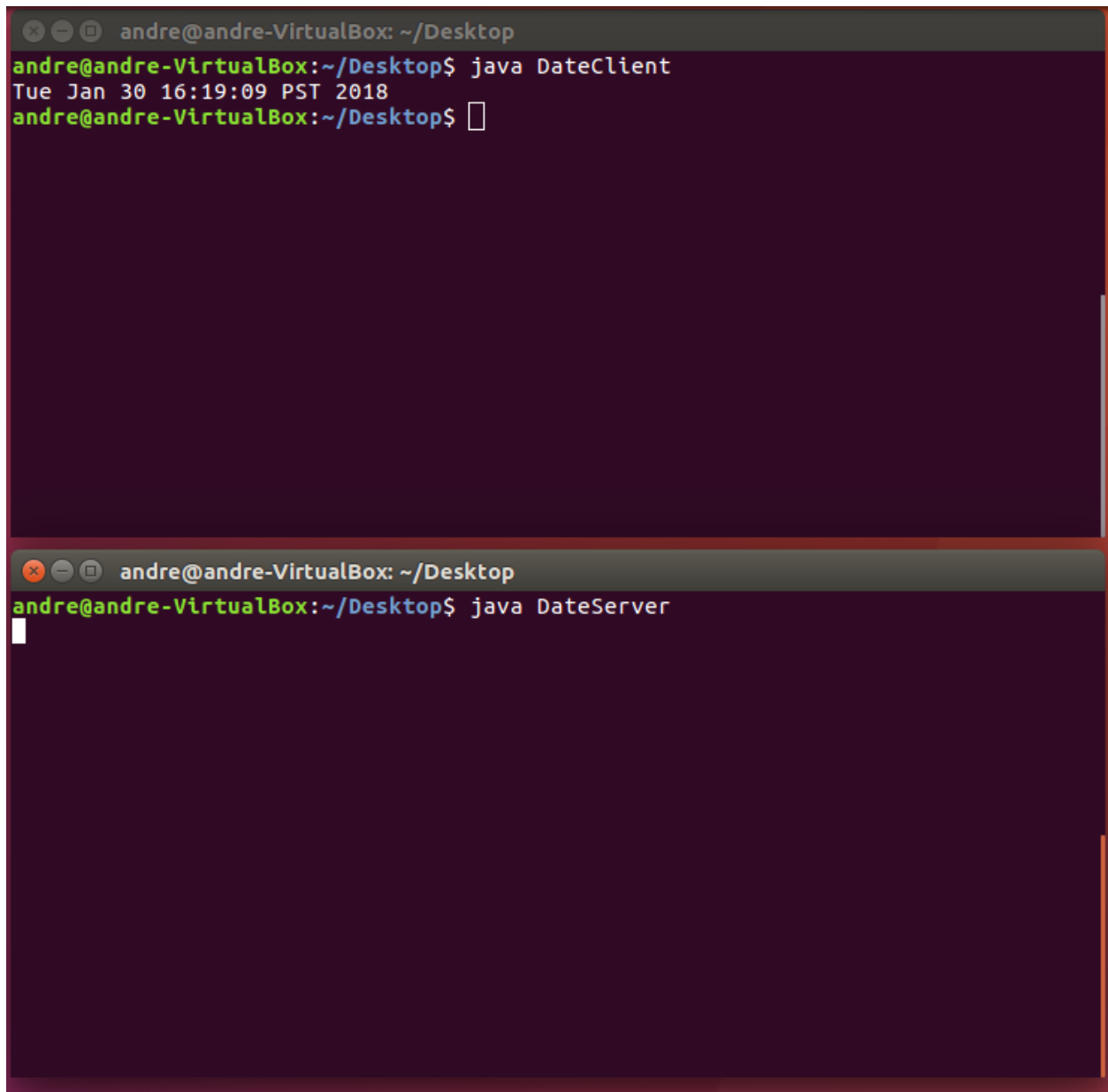
Code included in zip file and screenshot attached:



```
andre@andre-VirtualBox: ~/Desktop/CS365_Operating_Systems_and_Networking/Labs
andre@andre-VirtualBox:~/Desktop/CS365_Operating_Systems_and_Networking/Labs$ gcc -o pid CS365_Lab_2.c
andre@andre-VirtualBox:~/Desktop/CS365_Operating_Systems_and_Networking/Labs$ ./pid
Parent: I'm the parent process: 4487
Child: I'm the child process: 0
Child: Will sleep for 4 seconds, and then exit with code 12
Initializing sleep.....
Parent: Child has exited with status: 12
Executing ls
total 16
-rw-rw-r-- 1 andre andre 1316 Jan 30 11:00 CS365_Lab_2.c
-rwxrwxr-x 1 andre andre 9056 Jan 30 11:00 pid
andre@andre-VirtualBox:~/Desktop/CS365_Operating_Systems_and_Networking/Labs$
```

Part II

Code was given to student and screenshot documented:

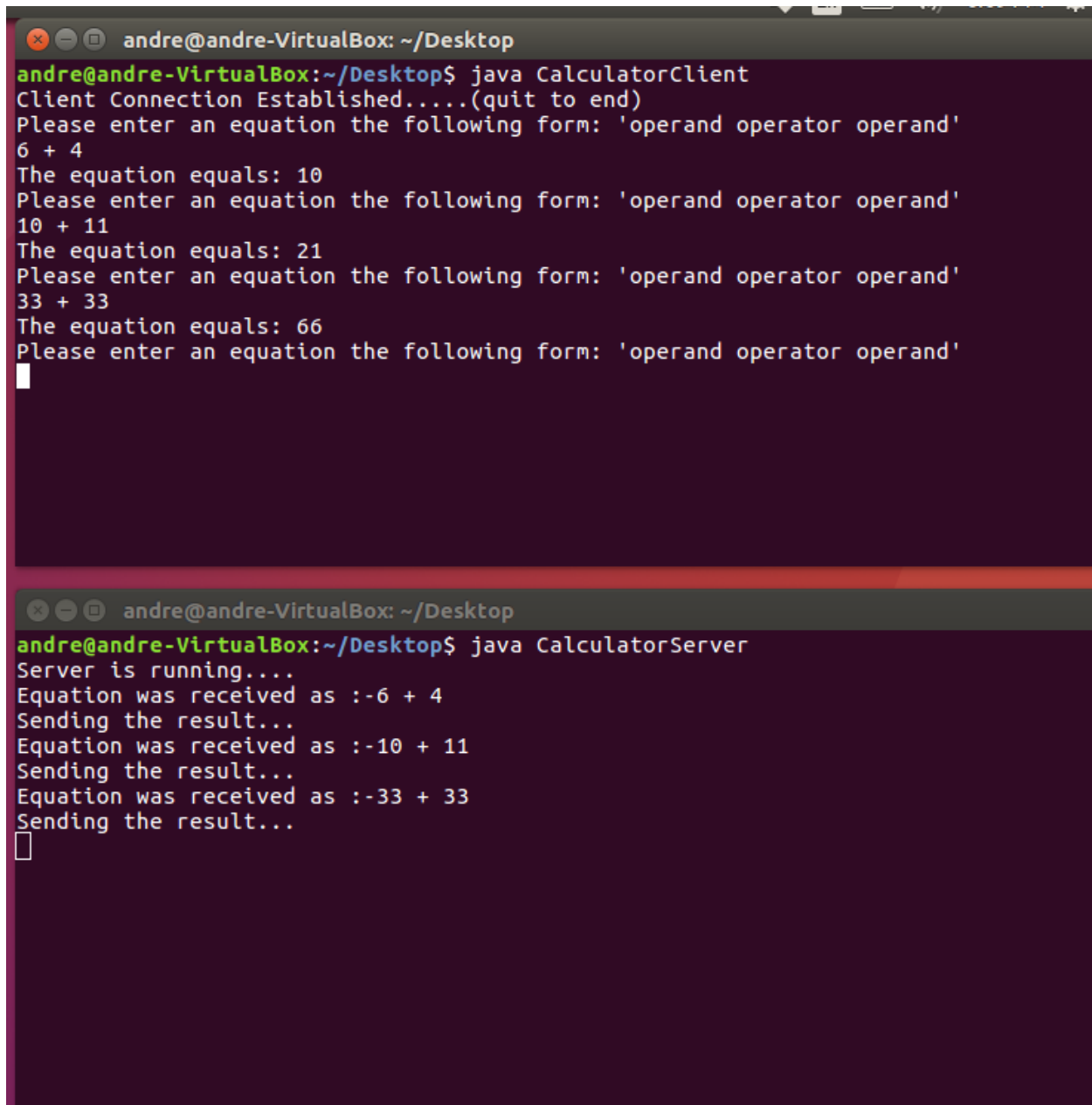


```
andre@andre-VirtualBox: ~/Desktop
andre@andre-VirtualBox:~/Desktop$ java DateClient
Tue Jan 30 16:19:09 PST 2018
andre@andre-VirtualBox:~/Desktop$

andre@andre-VirtualBox: ~/Desktop
andre@andre-VirtualBox:~/Desktop$ java DateServer
```

Part III

Code included in zip and screenshot documented:



The image contains two terminal window screenshots. The top window shows a client program being executed, which connects to a server and sends three equations: '6 + 4', '10 + 11', and '33 + 33'. The bottom window shows the server program receiving these equations and sending back the results: 10, 21, and 66.

```
andre@andre-VirtualBox: ~/Desktop
andre@andre-VirtualBox:~/Desktop$ java CalculatorClient
Client Connection Established.....(quit to end)
Please enter an equation the following form: 'operand operator operand'
6 + 4
The equation equals: 10
Please enter an equation the following form: 'operand operator operand'
10 + 11
The equation equals: 21
Please enter an equation the following form: 'operand operator operand'
33 + 33
The equation equals: 66
Please enter an equation the following form: 'operand operator operand'

```

```
andre@andre-VirtualBox: ~/Desktop
andre@andre-VirtualBox:~/Desktop$ java CalculatorServer
Server is running....
Equation was received as :-6 + 4
Sending the result...
Equation was received as :-10 + 11
Sending the result...
Equation was received as :-33 + 33
Sending the result...

```

Part IV