

OS Project 1 Team 02 Report

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實作細節：

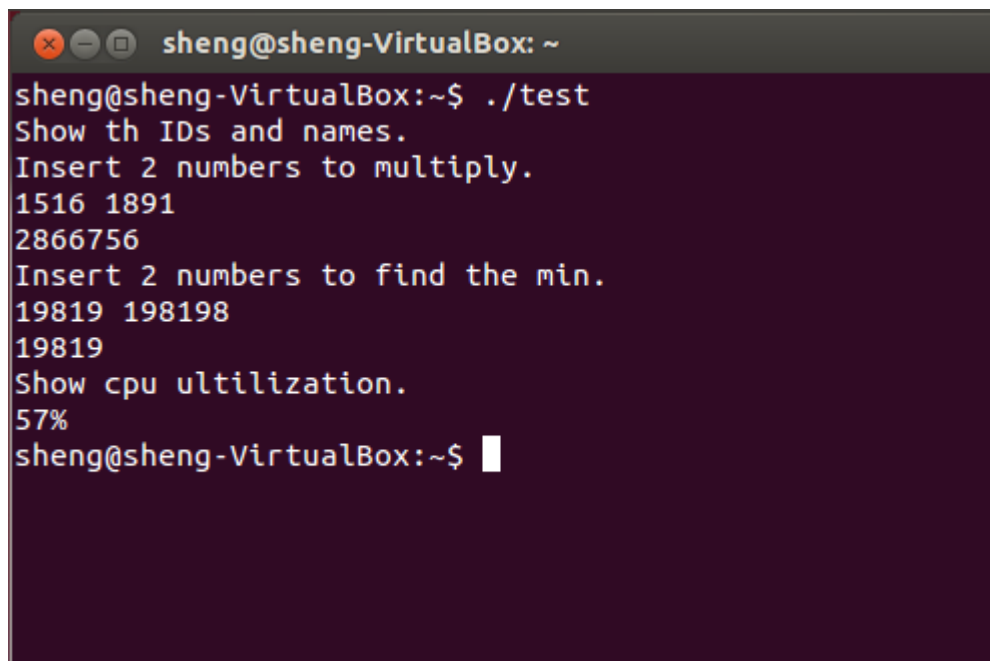
依照 project 1 投影片去新增 system call 及編譯 kernel。

加分題是改 stat.c(產生/proc/stat 的那個檔案)實作。

面對的困難：

在寫加分題時，沒有辦法使用 standard library，一般 linux 的 open(),read()也不能用，64 位元的浮點數也不能用。

截圖畫面：



```
sheng@sheng-VirtualBox: ~  
sheng@sheng-VirtualBox:~$ ./test  
Show th IDs and names.  
Insert 2 numbers to multiply.  
1516 1891  
2866756  
Insert 2 numbers to find the min.  
19819 198198  
19819  
Show cpu utilization.  
57%  
sheng@sheng-VirtualBox:~$
```

```
sheng@sheng-VirtualBox: ~  
15:57:03) release log  
[ 3.872487] 00:00:00.000066 main Log opened 2017-04-01T06:45:44.682961000  
Z  
[ 3.872544] 00:00:00.000143 main OS Product: Linux  
[ 3.872564] 00:00:00.000172 main OS Release: 2.6.32.60  
[ 3.872582] 00:00:00.000191 main OS Version: #9 SMP Fri Mar 24 23:58:47 C  
ST 2017  
[ 3.872619] 00:00:00.000210 main Executable: /opt/VBoxGuestAdditions-5.1.  
16/sbin/VBoxService  
[ 3.872621] 00:00:00.000212 main Process ID: 1012  
[ 3.872623] 00:00:00.000214 main Package type: LINUX_32BITS_GENERIC  
[ 3.875332] 00:00:00.002944 main 5.1.16 r113841 started. Verbose level =  
0  
[ 3.882232] 00:00:00.009857 automount vbsvcAutoMountWorker: Shared folder 'OS  
' was mounted to '/media/sf_OS'  
[ 4.212432] e1000: eth0 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: R  
X  
[ 4.212737] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready  
[ 13.539228] ISO 9660 Extensions: Microsoft Joliet Level 3  
[ 13.550747] ISO 9660 Extensions: RRIP_1991A  
[ 14.180281] eth0: no IPv6 routers present  
[ 29.642515] B04902023 Shih-Hsiang Cheng  
[ 29.642517] B04902027 Sheng Chen  
sheng@sheng-VirtualBox:~$
```