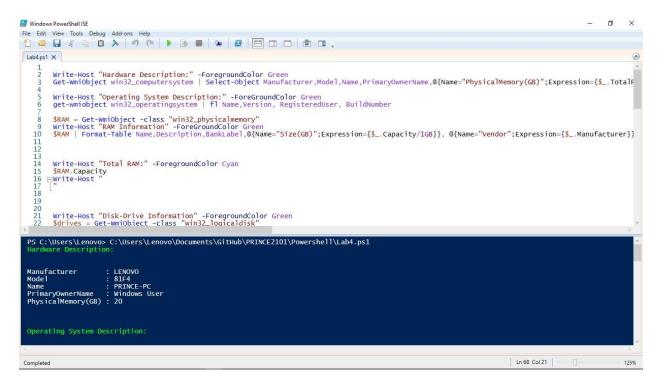
LAB-04, POWERSHELL

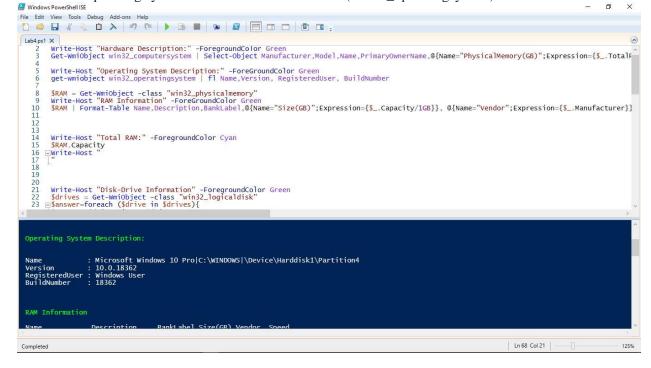
Professor: Dennis Simpson.

Pushpa Raj Sapkota, 200420164.

- 1. Create a system information script to report several items of information about the running system
 - Include the system hardware description (win32_computersystem).



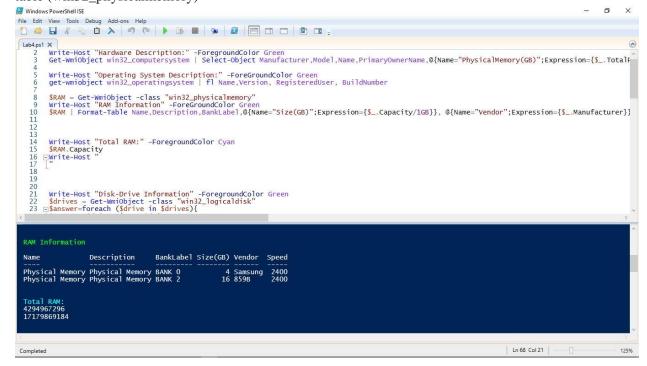
• Include the operating system name and version number (win32 operating system)



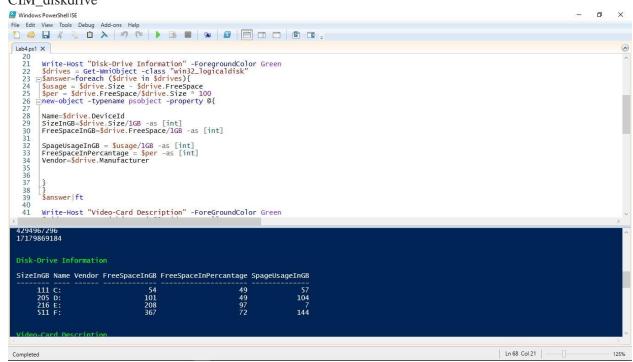
• Include processor description with speed, number of core, and sizes of L1, L2, and L3 cache (do not show empty properties)(win32_processor)

```
| Frocessor Information | Processor Information | Proc
```

• Include a summary of the RAM installed with the vendor, description, size, and bank and slot for each DIMM as a table and the total RAM installed in the computer as a summary line after the table (win32_physicalmemory)



• Include a summary of the physical disk drives with their vendor, model, size, and space usage (size, free space, and percentage free) of the logical disks on them as a single table with one logical disk per output line (win32_diskdrive, win32_diskpartition, win32_logicaldisk). You will need to use a nested foreach something like this: "powershell \$diskdrives = Get-CIMInstance CIM_diskdrive



• Include the video card vendor, description, and current screen resolution in the format horizontalpixels x verticalpixels (win32_videocontroller)

```
Windows Powershall S

file Edit View Tools Debug Add-ons Help

The State of the Sta
```

Screenshot of the LAB;

```
Windows PowerShell
Try the new cross-platform PowerShell https://aka.ms/pscore6
 Welcome to PowerShell
Name : Microsoft Windows 10 Pro|C:\WINDOWS|\Device\Harddisk1\Partition4
Version : 10.0.18362
RegisteredUser : Windows User
BuildNumber : 18362
 SizeInGB Name Vendor FreeSpaceInGB FreeSpaceInPercantage SpageUsageInGB
Description : Intel(R) UHD Graphics 620
Vendor : Intel(R) UHD Graphics Family
Resolution : 1366 * 768
 rocessor-Info Value
Vane Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz
WumberOfCores 4
MANCLOCKSpeed 1801
LCCachesize(KB) 1
JCCachesize(KB) 6
LICachesize(KB) 6
```

END OF LAB.

Respected Professor, I have attached my script as well. Thank you.