

POWERSHELL LAB 02

STUDENT NAME: MADAN NEUPANE

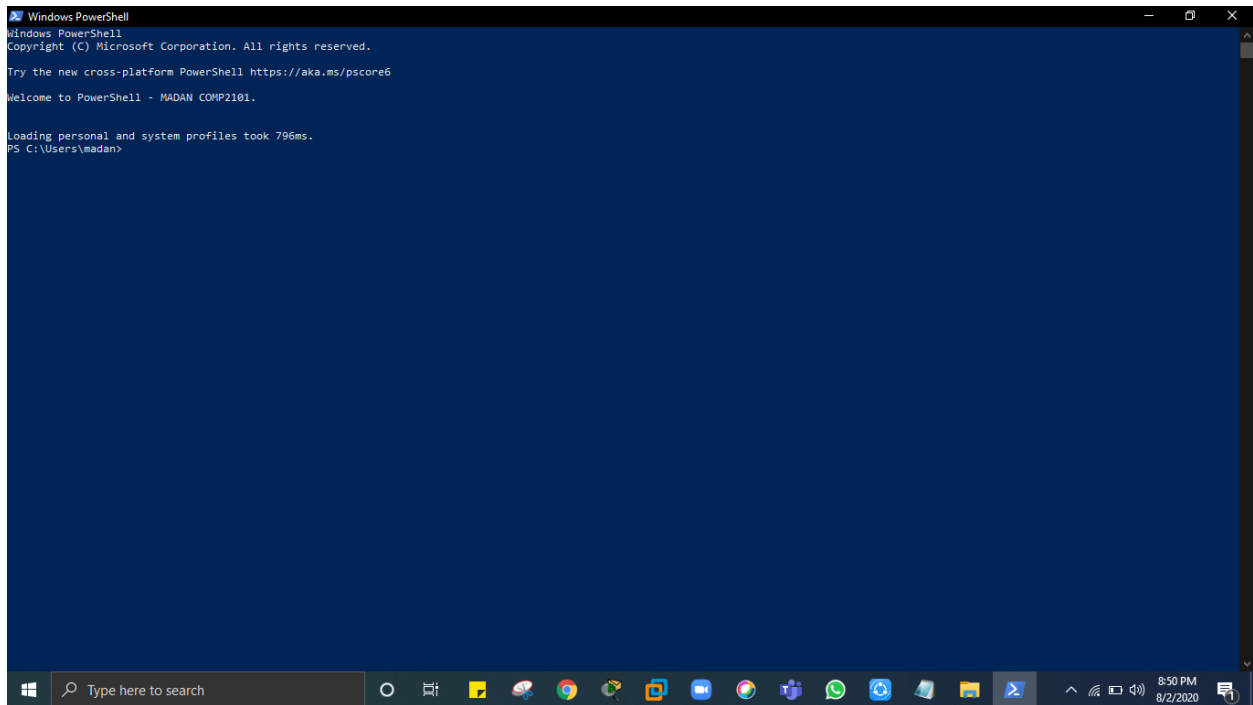
STUDENT NUMBER: 200418778

CLASS SCHEDULE: THURSDAY 10 AM

PROFESSOR: Dennis A. Simpson

1. Start a new PowerShell window. It should display your welcome message and not show any output from creating the notepad alias. It should also show the cup information.

>> here is the screenshot of PowerShell window displaying my welcome message as
"Welcome to PowerShell – MADAN COMP2101"



2. Run `ls alias:np` and it should show your existing np alias for notepad.

>> second screenshot is below showing my present np alias for notepad.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

Welcome to PowerShell - MADAN COMP2101.

Loading personal and system profiles took 796ms.
PS C:\Users\madan> ls alias:np

CommandType      Name                Version      Source
-----
Alias            np -> notepad.exe

PS C:\Users\madan>
```

3. Run cat function: welcome and it should show the content of your welcome function.

>> Third screenshot showing all the content of my welcome function is below.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

Welcome to PowerShell - MADAN COMP2101.

Loading personal and system profiles took 796ms.
PS C:\Users\madan> ls alias:np

CommandType      Name                Version      Source
-----
Alias            np -> notepad.exe

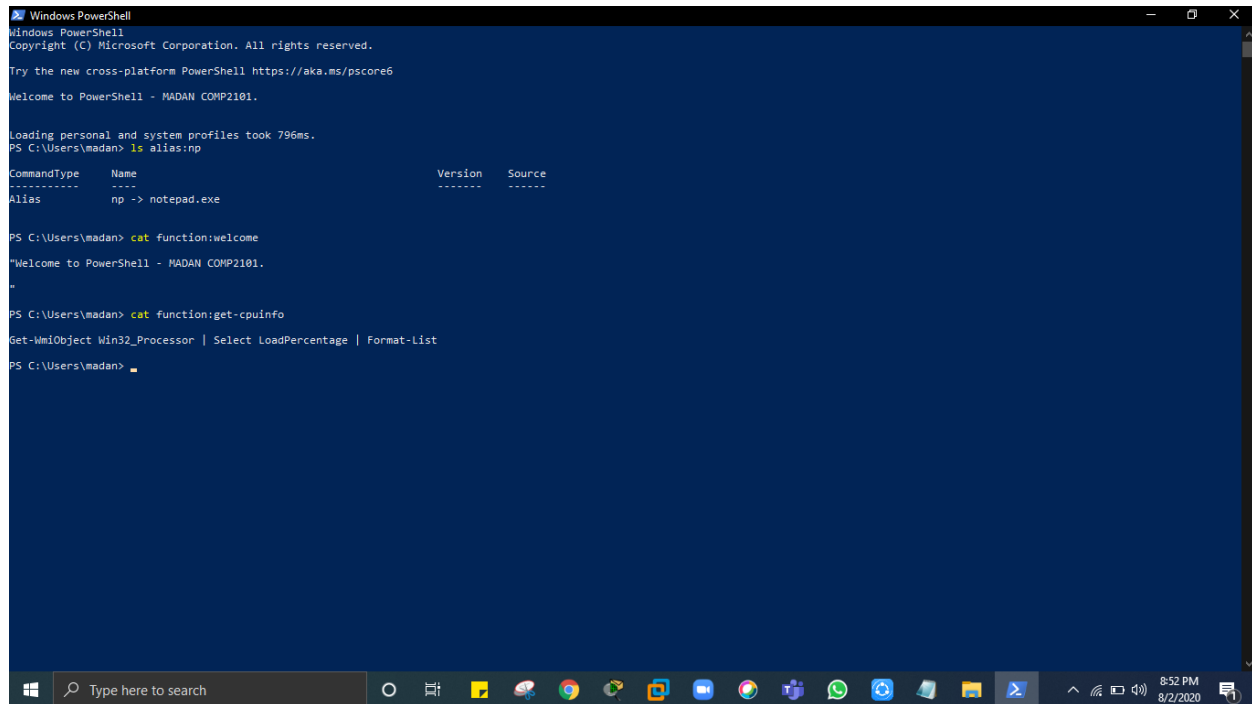
PS C:\Users\madan> cat function:welcome

"Welcome to PowerShell - MADAN COMP2101."
"

PS C:\Users\madan>
```

4. Run cat function:get-cpuinfo and it should show the content of your cup info function.

>> fourth screenshot showing my CPU description.



```
Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

Welcome to PowerShell - MADAN COMP2101.

Loading personal and system profiles took 796ms.
PS C:\Users\madan> ls alias:np

CommandType      Name
-----
Alias             np -> notepad.exe

PS C:\Users\madan> cat function:welcome

"Welcome to PowerShell - MADAN COMP2101."

PS C:\Users\madan> cat function:get-cpuinfo

Get-WmiObject Win32_Processor | Select LoadPercentage | Format-List

PS C:\Users\madan>
```

5. Run cat function:get-powerschart and have it show the 8-line table of powers of 2, 8, and 16 with the columns ordered from lowest to highest.

>> below screenshot showing the 8-line table of powers of 2, 8, and 16 with the columns ordered from lowest to highest.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

Welcome to PowerShell - MADAN COMP2101.

Loading personal and system profiles took 796ms.
PS C:\Users\madan> ls alias:np

CommandType      Name                Version      Source
-----
Alias             np -> notepad.exe

PS C:\Users\madan> cat function:welcome

"Welcome to PowerShell - MADAN COMP2101."
"

PS C:\Users\madan> cat function:get-cpuinfo

Get-WmiObject Win32_Processor | Select LoadPercentage | Format-List

PS C:\Users\madan> cat function:get-powerschart

foreach ($c in (1..8)) {
    new-object -typename psobject -property @{
        PlaceCount=$c;
        Binary=[math]::pow(2,$c);
        Octal=[math]::pow(8,$c);
        Hex=[math]::pow(16,$c)
    }
}

PS C:\Users\madan>
```

The End of lab 02.