

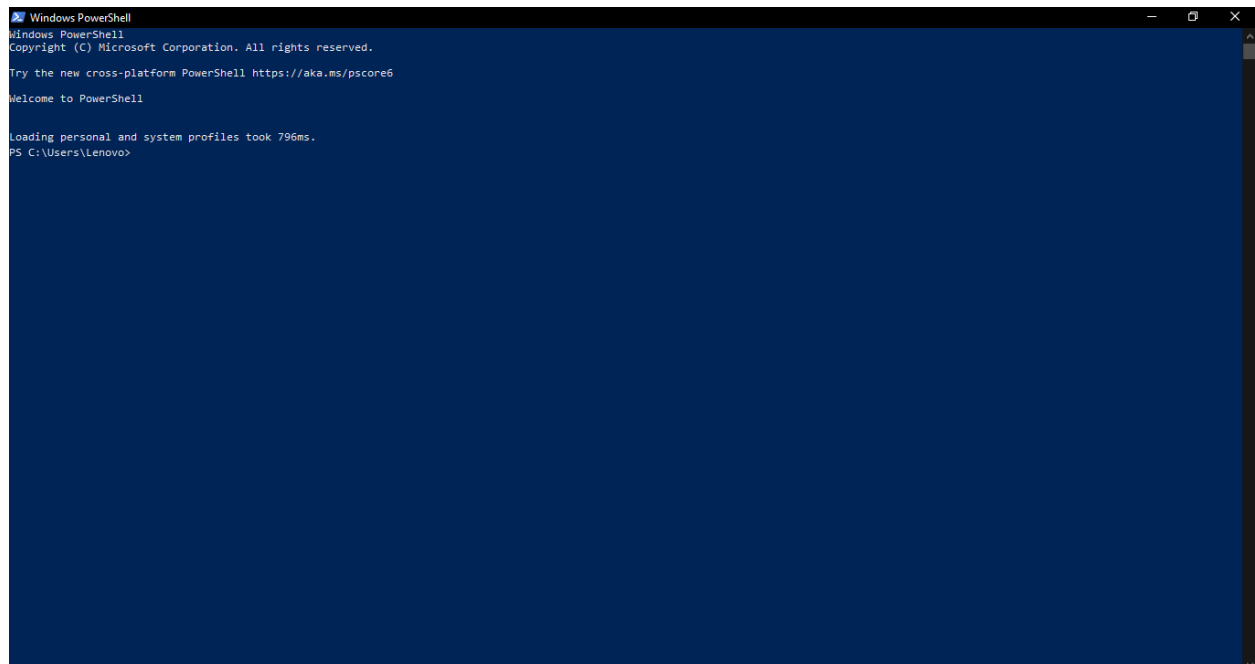
POWERSHELL LAB 02

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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.

Initial Screenshot Below;

A screenshot of a Windows PowerShell terminal window. The window has a dark blue background and a title bar that reads "Windows PowerShell". The text inside the window is white and includes the following lines: "Windows PowerShell", "Copyright (C) Microsoft Corporation. All rights reserved.", "Try the new cross-platform PowerShell https://aka.ms/pscore6", "Welcome to PowerShell", and "Loading personal and system profiles took 796ms.". The prompt "PS C:\Users\Lenovo>" is visible at the bottom left of the terminal area.

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

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

Welcome to PowerShell

Loading personal and system profiles took 796ms.
PS C:\Users\Lenovo>
```

2. Run `ls alias:np` and it should show your existing `np` alias for notepad.
3. Run `cat function:welcome` and it should show the content of your `welcome` function.

Screenshot for 2 steps is below;

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

Welcome to PowerShell

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

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

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

"Welcome to PowerShell"
"

PS C:\Users\Lenovo>
```

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

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

Welcome to PowerShell

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

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

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

"Welcome to PowerShell"
"

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

Get-WmiObject Win32_Processor | Select LoadPercentage | Format-List

PS C:\Users\Lenovo>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\Lenovo>
```