

LAB 2: Setting Up PowerShell Environment

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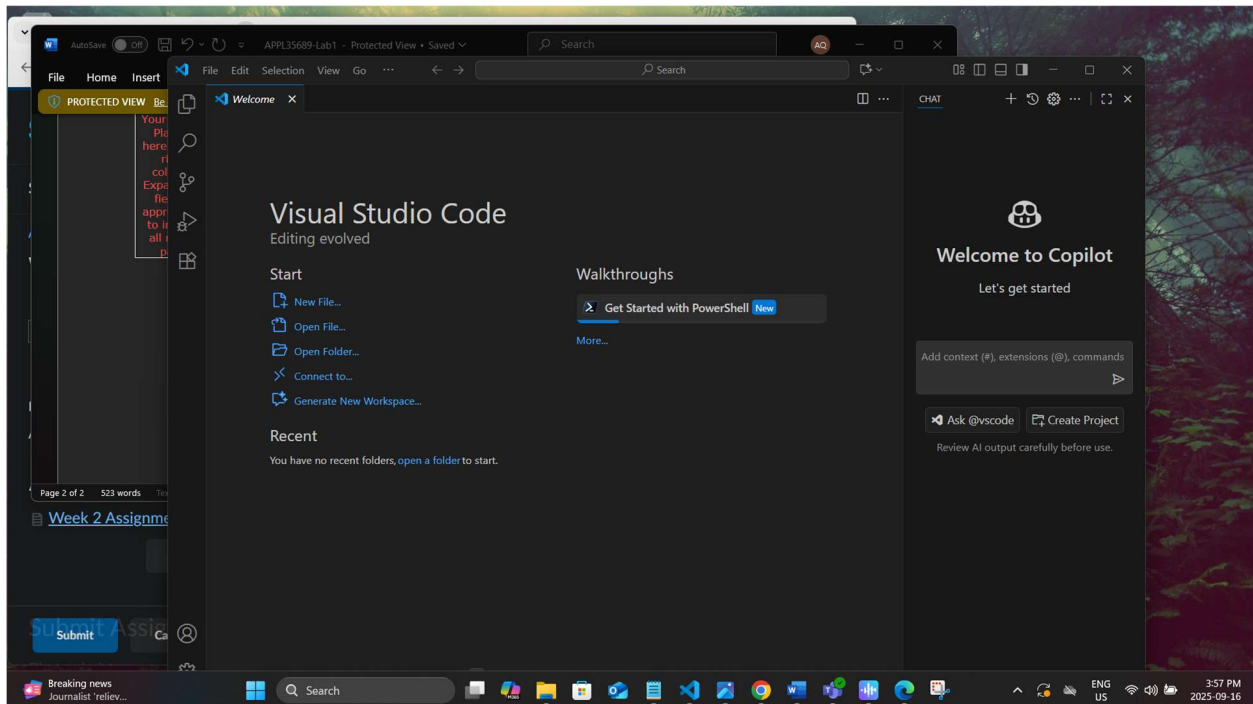
Sheridan College

SYST16023 MS Powershell Scripting

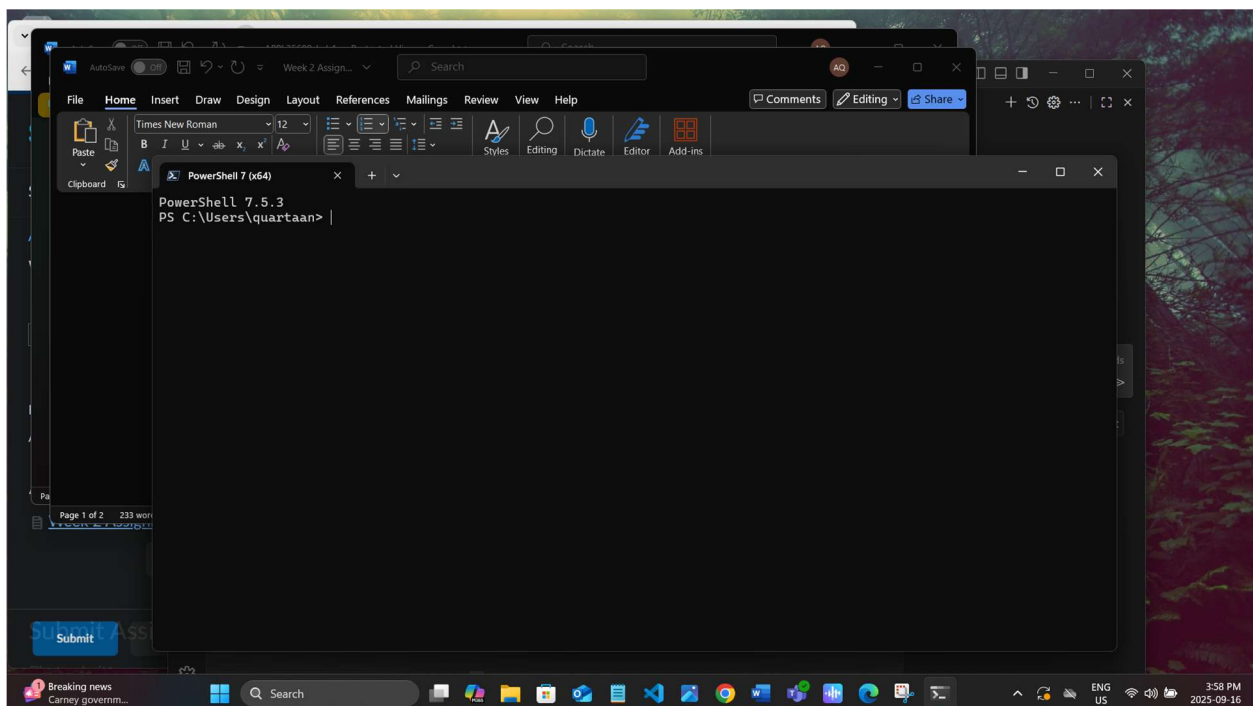
Professor: Jasmeet Singh

Submission Date: September 16th 2025

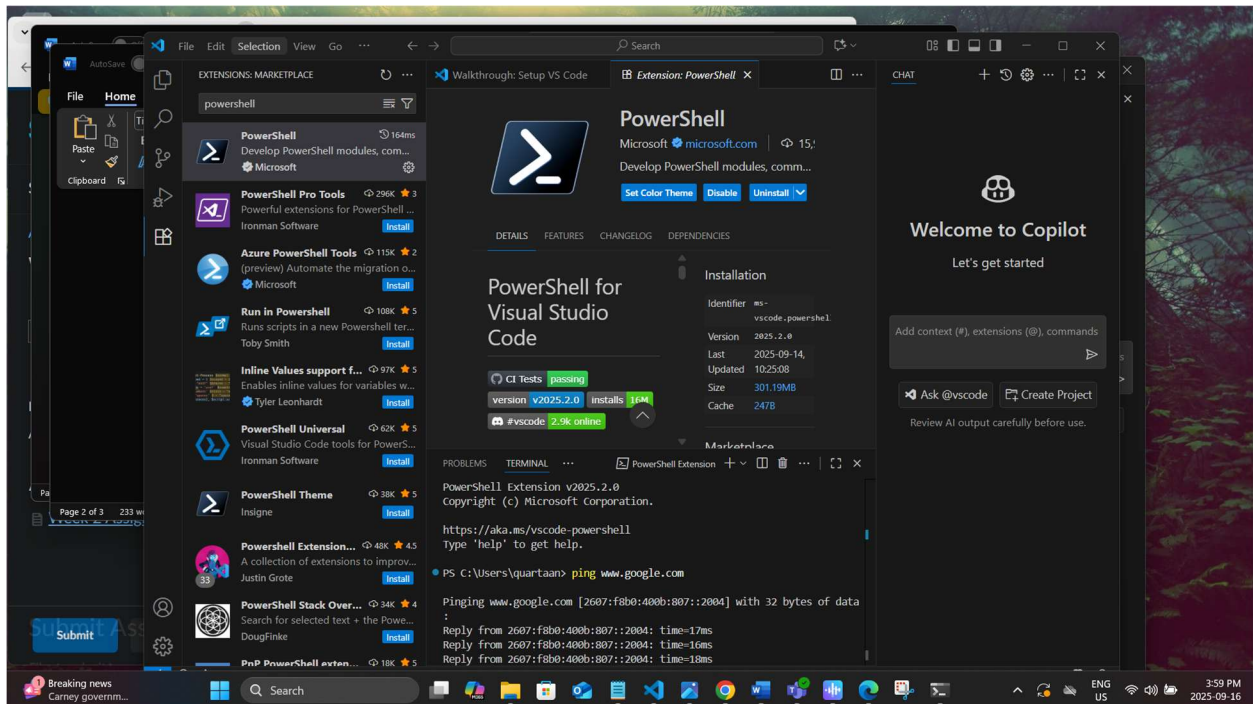
Task 1: Install VS Code: I went to Microsoft's website, downloaded Visual Studio Code, and installed it. After that, I opened the program, which you can see in the screenshot.



Task 2: Install PowerShell 7 Core: I got PowerShell 7 Core from Microsoft's GitHub page and installed it. The screenshot shows it running on my computer, so I know the install worked.

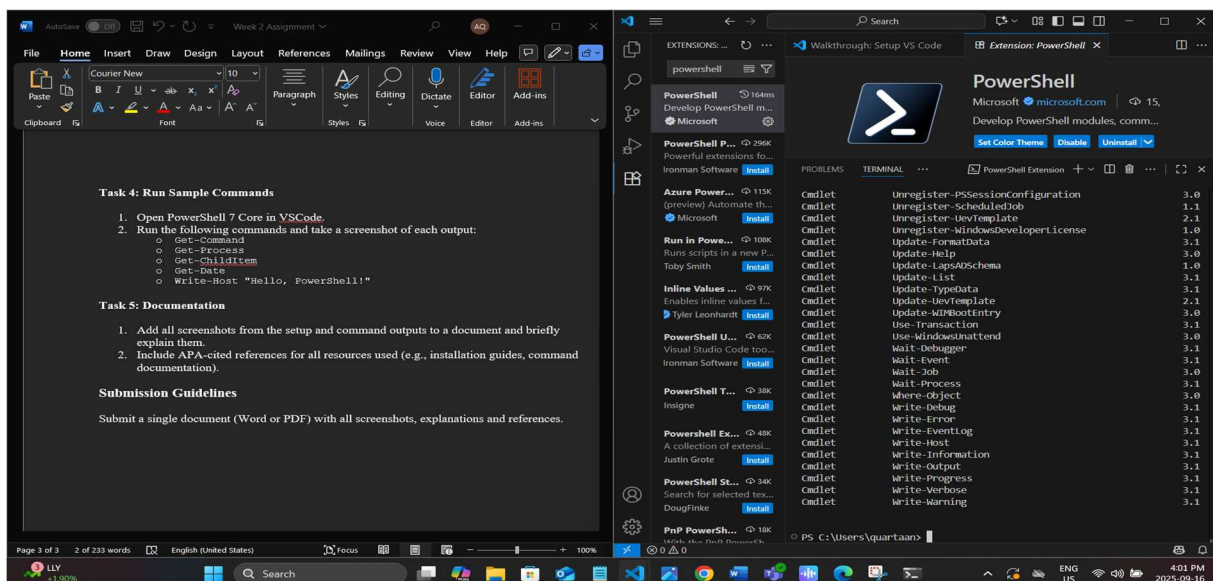


Task 3: Add the PowerShell Extension to VSCode: In VS Code, I went to the Extensions section, looked up 'PowerShell,' and installed Microsoft's version. The screenshot shows that it's installed and working.



Task 4: Run Sample Commands

Get-Command: This command shows a list of all the commands PowerShell can run. The screenshot proves it worked on my computer.



The screenshot shows a dual-monitor setup. The left monitor displays a Microsoft Word document titled "Task 5: Documentation". The document contains instructions for a PowerShell script and submission guidelines. The right monitor shows the Visual Studio Code editor with a PowerShell script named "Get-Process.ps1" and the PowerShell extension's extension view on the right side.

Task 5: Documentation

1. Add all screenshots from the setup and command outputs to a document and briefly explain them.
2. Include APA-cited references for all resources used (e.g., installation guides, command documentation).

Submission Guidelines

1. Add all screenshots from the setup and command outputs to a document and briefly explain them.

2. Include APA-cited references for all resources used (e.g., installation guides, command documentation).

PowerShell Script Content (Get-Process.ps1):

```

Get-Process
Get-Childitem
Get-Date
Write-Host "Hello, PowerShell!"
  
```

Extension View (PowerShell Extension):

PowerShell Extension by Microsoft

Develop PowerShell modules, commands, and scripts.

Set Color Theme: [Disable](#) [Uninstall](#)

Problems: 0 | Terminal: 0

PowerShell Extension: + | [Close](#) | [Refresh](#) | [Search](#)

PowerShell Extension: + | [Close](#) | [Refresh](#) | [Search](#)

The screenshot shows a Windows 10 desktop environment. On the left, a Microsoft Word document is open, displaying a task titled "Task 5: Documentation". The task instructions are as follows:

Task 5: Documentation

1. Add all screenshots from the setup and command outputs to a document and briefly explain them.
2. Include APA-cited references for all resources used (e.g., installation guides, command documentation).

Submission Guidelines

Submit a single document (Word or PDF) with all screenshots, explanations and references.

On the right, the Visual Studio Code editor is open. The "Extensions" view on the left shows the "PowerShell" extension by Microsoft is installed. The main editor area shows the PowerShell extension's interface, including a "Terminal" tab with the following output:

```
PS C:\Users\qartaan> Get-Process

```

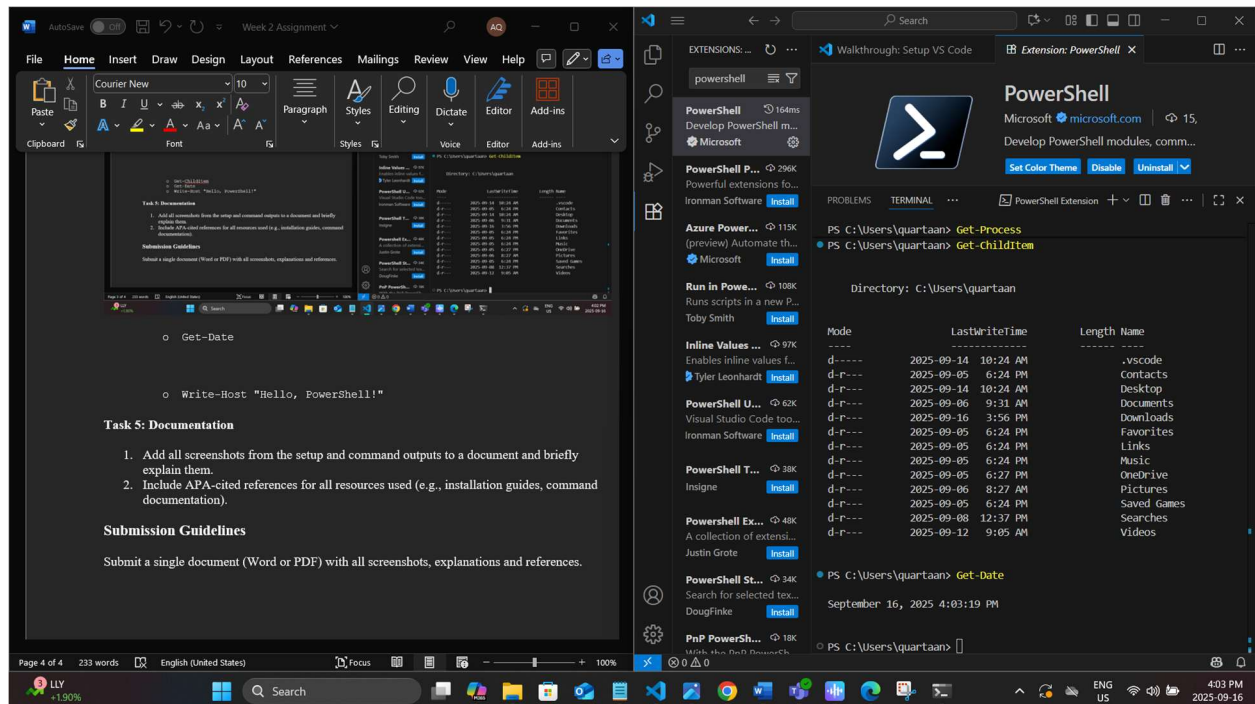
Id	Name	Architecture	Private Bytes	Working Set	Session	Path
525	29	17836	12676	1340	0	WUDFHost
289	17	5720	8120	1572	0	WUDFHost
253	12	5536	2560	1696	0	WUDFHost

The terminal also shows the output of the 'Get-Childitem' command, listing files in the directory 'C:\Users\qartaan':

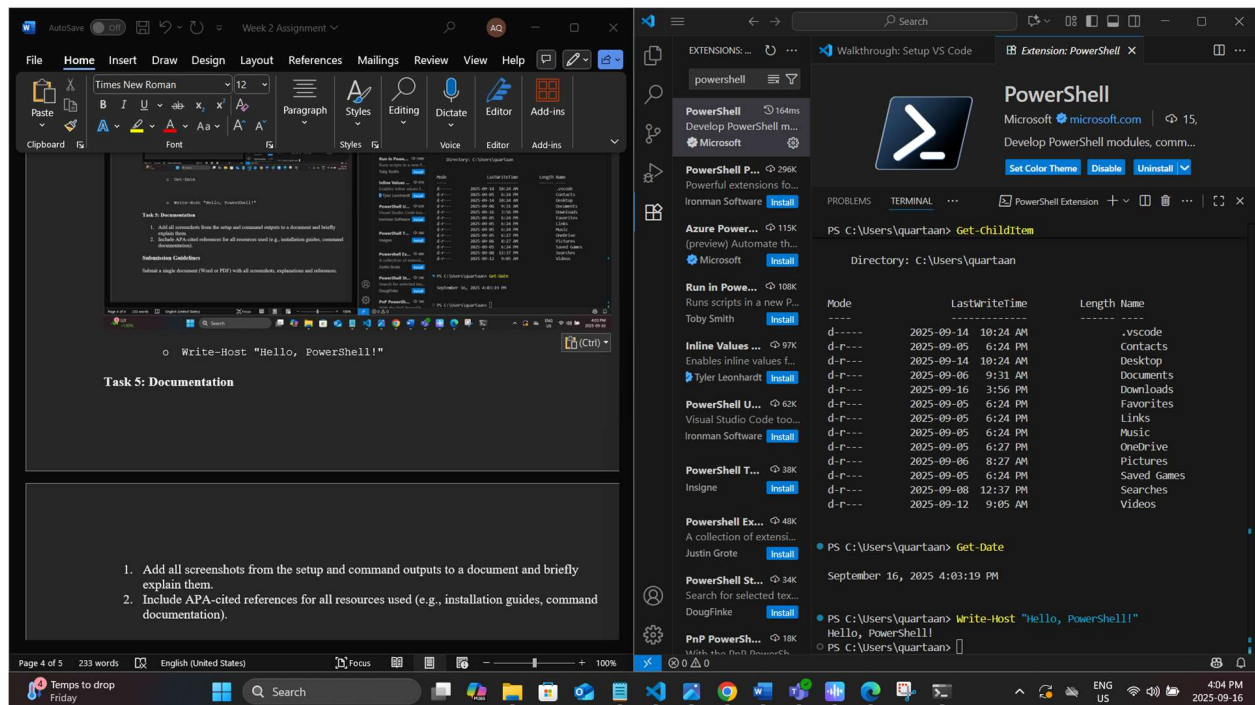
```
Directory: C:\Users\qartaan

Mode                LastWriteTime         Length Name
----                -
d-----          2025-09-14 10:24 AM                .vscode
d-----          2025-09-05 6:24 PM                Contacts
d-----          2025-09-14 10:24 AM                Desktop
d-----          2025-09-06 9:31 AM                Documents
d-----          2025-09-16 3:56 PM                Downloads
d-----          2025-09-05 6:24 PM                Favorites
d-----          2025-09-05 6:24 PM                Links
d-----          2025-09-05 6:24 PM                Music
d-----          2025-09-05 6:27 PM                OneDrive
d-----          2025-09-05 8:27 AM                Pictures
d-----          2025-09-05 6:24 PM                Saved Games
d-----          2025-09-08 12:37 PM                Searches
d-----          2025-09-12 9:05 AM                Videos
```


Get-Date: This command shows the date and time on my computer.



Write-Host "Hello, PowerShell!": This command will print a message.



References

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<https://learn.microsoft.com/powershell/module/microsoft.powershell.utility/write-host>