**PowerShell Class Assignment: Setting Up PowerShell Environment**

This assignment involves setting up Visual Studio Code (VSCode), PowerShell 7 Core, and the PowerShell extension. Students will run sample commands, document their process with screenshots, and provide explanations with references.

**Task 1: Install Visual Studio Code**

1. Visit the [Visual Studio Code website](https://code.visualstudio.com/) and download the version for your operating system.
2. Install VSCode.
3. Take a screenshot of the open VSCode application.

**Task 2: Install PowerShell 7 Core**

1. Go to the [PowerShell GitHub releases page](https://github.com/PowerShell/PowerShell/releases) and download the latest stable version for your operating system.
2. Install PowerShell 7 Core.
3. Take a screenshot showing PowerShell 7 Core running on your system.

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**Task 3: Add the PowerShell Extension to VSCode**

1. Open VSCode.
2. Go to the **Extensions Marketplace** (Ctrl+Shift+X).
3. Search for the **PowerShell extension** by Microsoft and install it.
4. Take a screenshot showing the installed extension.

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**Task 4: Run Sample Commands**

1. Open PowerShell 7 Core in VSCode.
2. Run the following commands and take a screenshot of each output:
   * Get-Command

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* + Get-Process

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* + Get-ChildItem

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* + Get-Date

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* + Write-Host "Hello, PowerShell!"

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**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.