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**Course Title: SYST16023 MS PowerShell Scripting**

**LAB: 2**

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**Task 1: Installation of Visual Studio Code.**

First, I visited the official Visual Studio Code site and downloaded the windows installer. Having executed the setup, I installed the program and opened it.

**Screenshot:**

A screenshot of a computer

AI-generated content may be incorrect.

**Explanation:** Visual Studio Code is a small code editor that is often employed in script and program writing. By installing it, I will have an appropriate atmosphere according to which to edit and execute PowerShell scripts.

**Task 2: Installation of PowerShell 7 Core**

I then proceeded to the GitHub releases page of PowerShell and downloaded the newest stable version of PowerShell to use on Windows. I used the MSI file to install it and opened it by typing in the search bar **pwsh**.

**Screenshot:**

A computer screen shot of a black screen

AI-generated content may be incorrect.

**Explanation:** PowerShell 7 Core is the most recent release of PowerShell which is compatible with various operating systems. It has additional features and updates over the older windows power shell 5.1. The screenshot validates the fact that the installation is successful.

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

After the installation of VSCode and power shell 7, I opened VSCode and typed Ctrl+Shift+X, and it will redirect me to the Extensions Marketplace. I also searched PowerShell and installed an official extension of Microsoft.

**Screenshot:**

A computer screen shot of a computer screen

AI-generated content may be incorrect.

**Explanation:** The PowerShell extension is used in managing scripts. It brings syntax highlighting, IntelliSense, and in-built debugging that are beneficial in making the scripting experience in the VSCode easier.

**Task 4: Run Sample Commands**

1. Opened the PowerShell 7 Core in VSCode.
2. Run the following commands add a screenshot of each output with explanation:
   * Get-Command

A screenshot of a computer

AI-generated content may be incorrect.

**Explanation:** Tabulates all the available functions, functions and aliases.

* + Get-Process

A screenshot of a computer

AI-generated content may be incorrect.

**Explanation:** Shows all the processes which are running on the computer.

* + Get-ChildItem

A screenshot of a computer

AI-generated content may be incorrect.

**Explanation:** It shows all files and folders in my current directory.

* + Get-Date

A computer screen shot of a black screen

AI-generated content may be incorrect.

**Explanation:** It shows current date as well as time.

* + Write-Host "Hello, PowerShell!"

A computer screen shot of a black screen

AI-generated content may be incorrect.

**Explanation:** It displays text which user wants to get on console.