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| Custom Functions to Create | |
| **Function** | **Description** |
| Text Manipulation Function | Design a function that demonstrates your programming skills and creativity. The function should prompt the user for three parameters, one of which being a name,  and two other parameters of your choice - for a total of 3 parameters.  In a comment block, explain why you chose this, and why this unique action is nique to you, and how you came up with it. Ensure that the function has some level of 'complexity' and 'creativity' to it.  How you chose to do this is up to you. |
| Time Function | Design a custom date function that showcases your coding abilities and originality. The function should take 3 inputs (parameters): (1) the output of the Get-Date cmdlet, and two (2) additional parameters (totalling 3 total parameters.. It must execute a distinct operation to display your inventiveness. Familiarize yourself with Microsoft Documentation on Methods (<https://learn.microsoft.com/en-us/dotnet/api/system.datetime.add?view=net-8.0>) and Get-Date (<https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.utility/get-date?view=powershell-7.3>) to guide your work.  If the date that is passed via parameter into the function is a meaningful date to you inform the user of the significance, and stop processing the function further, otherwise complete processing the function  and perform an action.  Also, in a comment block, describe what lead you to select this function, and what significance he output date has to you. |
| Flag function | Use your creativity to write a single function to create a simple flag in PowerShell. This is possible very easily with some creativity. Your aim is to mimic the result below.    The function must accept a parameter of a country, then output a flag. This is accomplished via a logic operator and one simple command that we have used a lot.  The function must be able to showcase at least 5 countries' flags. Feel free to get creative.  At least 2 of the countries' flags have to be more than 1 line (as in Japan - taking up 3 lines, and Ukraine, taking up 2) - notice how France and Belgium only take up 1?  In the functions' comments OR output, explain what led you to pick the 5 counties you picked. |
| Calculator Function | Write a function that will evaluate a math expression that is capable of handling both decimal numbers and integers, as well as has some creativity that you (the person who wrote the script) has added. A major portion of this script is to be creative. Ensure your function presents a users with a sort of rudimentary menu.  Add an additional menu item that will tell a math-related joke, out of a maximum pool of 5 jokes. The jokes must be selected at random. (<https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.utility/get-random?view=powershell-7.3)>, and must display each joke also in a random color.  In the comments, explain how and why your PERSONAL creativity created this function, justify how you got the inspiration for this function. |