

Mod 11 PowerShell Strings Homework

SCRIPTING ESSENTIALS

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Read through the entire homework
problem before starting.

Instructions

Download the starter script for this assignment and work from there.

- `Mod11_tutorial_starter.ps1`

We are making a small menu system for looking up user names based on either their first name or last name. We are also providing for the addition and deletion of names. Those changes will only exist during the running of our script since we are just changing a list in real time, but that's ok for now.

Check my output video carefully. Your script must work like mine and look like mine.

Main Menu

The main menu should be the body of the script. It should include the menu text and IF/ELSEIF/ELSE statements representing each menu choice. Each menu choice should only be a function call and either a continue or a break.

Option 1

This function should take one or more of the letters that begin a first name. Convert the user input to title case. If no names matched then return the message in my example. This function does not check for one or more letters within a first name.

- “am” would find “Amy Southland” but will not find “Cameron Croix”
 - These are not real values in this problem

It is fine if just hitting enter returns all the names

Names will not be sorted

Option 2

This function should take one or more of the letters that begin a last name. Convert the user input to title case. If no names matched then return the message in my example. This function does not check for one or more letters within a last name.

- “am” will find “Lisa Ammond” but will not find “Linda Hammer”
 - These are not real values in this problem

It is fine if just hitting enter returns all the names

Names will not be sorted

Option 3

This function should get the new first name and then the new last name. Convert the user input to title case. Add the new name to the name list then inform the user that the name has been added. You don't need to check to ensure they did first name then last name.

Check to make sure they didn't put the full name as the first name. Do this by checking to see if there is a space in the first name.

- `if ($new_first_name -like "* *")`

Option 4

The full name is required to delete a name. Give the user the option to view the names first by calling the Option 1 function (search by first name) if requested. Give the user the option to quit with “Q” (of any case).

You can call a function within a function. It’s no different than calling a function from the body of the script.

A deleted name should not appear if the option to view names is used immediately after a deletion.