



Level 1

EPAM DEVOPS ONLINE LAB

Scripting: PowerShell. Exit task

Home tasks

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TASK 1

1. Create a PowerShell script which can accept only (!) following incoming parameters:
 - a. name **ip_address_1**, value IP address in the format x.x.x.x
 - b. name **ip_address_2**, value IP address in the format x.x.x.x
 - c. name **network_mask**, value in the decimal format.
2. Your script should check if **ip_address_1** and **ip_address_2** belong to the same network or not. Show result in the output console. Do not close the window until the operator enters the appropriate command in the console.

HOMETASKS REQUIREMENTS

1. All 3 parameters are mandatory. If any argument is missing when you are calling the script, it should fail.
2. Your script should validate incoming parameters and not allow to accept not valid arguments. For example, if you are calling `.\scrip1.ps1 -ip_address_1 "hello"` it should show error on the validation.
3. It would be great if your script also can accept only correct values of the ip addresses. In case you try to specify value out of range "0.0.0.0-255.255.255.255" - it should fail on validation.
4. Tips: look at the data types in PowerShell and try to use PS version 4 or newer.
5. Use clear formatting.
6. No errors on execution.
7. Use best practices during development.
8. Your scripts should be readable.
9. Use comments where is needed.
10. Use console output and logging to show result of your work

HOMETASK RESULTS

1. Create screenshots containing the following information:
 - a. All screenshots should contain system datetime of your host OS.
 - b. Output of the console with execution result of your code.
2. Put all of your *.ps1 files into zip archive following naming convention: {Name_Surname}_PowerShell_Task~~Number~~.zip.
3. All home task artifacts should be attached to the appropriate chapter in grow form.