Level 1

EPAM DEVOPS ONLINE LAB

Scripting: PowerShell. Exit task
Home tasks

TASK 1

1. Create a PowerShell script which can accepts 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 in the format x.x.x.x or xx (255.0.0.0 or 8)

2. Your script should check if ip_address_1 and ip_address_2 belong to the same network or not. Show results in the output 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 you to accept not valid arguments. For example, if you are calling .\scrip1.ps1 -ip_address_1 "hello" should show an 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 a 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 it 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 the system datetime of your host OS.

    b. Output of the console with execution result of your code.

2. Put your task1.ps1 files into zip archive following naming convention: Name_Surname_PowerShell_Task1.zip.

3. All home task artifacts should be attached to the appropriate chapter in grow form.