



## **Level 1**

# **EPAM DEVOPS ONLINE LAB**

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**Scripting: PowerShell. Exit task**  
**Home tasks 1**

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## Task 1 Details:

1. Create a PowerShell script which can accept only (!) following incoming parameters:
  - a. name first incoming parameter "ip\_address\_1", value IP address in the format x.x.x.x
  - b. name second parameter is "ip\_address\_2", value IP address in the format x.x.x.x
  - c. name last parameter is "network\_mask", value 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 (text output yes or no).

## Homeworks 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 .\task1.ps1 -ip\_address\_1 "hello" should show an error on the validation.
3. Your script also should 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 to show result of your script (yes/no). See above Task 1 Details 2..

## Homework Results

Put your task1.ps1 into general zip archive with all exit tasks results.