

# Scripting Languages: Workshop 10

- Log into your Ubuntu Virtual Machine, and complete the tasks below
- Even though the scripts you write will use *Ruby*, *Python* and *Perl*, your Ubuntu Virtual Machine in conjunction with *VS Code* is all you need to do this; it's just the shebang and language-specific syntax that vary
- Ensure that all of the scripts you write are fully commented to clearly explain their functionality at every step

## Task 1: Write a Ruby Script

1. Select a script that you wrote in *bash* for an earlier workshop and re-write it using **Ruby**
2. Keep the same script name, just make sure when you save it that you use the **.rb** file extension
3. Be sure to also use **#!/usr/bin/ruby** as the shebang line
4. If you encounter an error, read the error message printed to the terminal carefully and attempt to resolve the issue and run the **.rb** script again or ask your tutor for assistance


## Task 2: Write a Python Script

1. Re-save the Ruby script you wrote in *Task 1* as a Python file, i.e. use the **.py** file extension, and convert the code it contains to **Python**, so that when run, it gets the same result as *Task 1*
2. Be sure to also use **#!/usr/bin/python3** as the shebang line
3. If you encounter an error, read the error message printed to the terminal carefully and attempt to resolve the issue and run the **.py** script again or ask your tutor for assistance

## Task 3: Write a Perl Script

1. Re-save the Python script you wrote in *Task 2* as a Perl file, i.e. use the **.pl** file extension, and convert the code it contains to **Perl**, so that when run, it gets the same result as *Task 2*.
2. Be sure to also use **#!/usr/bin/perl** as the shebang line
3. If you encounter an error, read the error message printed to the terminal carefully and attempt to resolve the issue and run the **.pl** script again or ask your tutor for assistance

## Close Down (Important)

1. Close *VS Code*
2. Close any other applications you have open on your Ubuntu Virtual Machine
3. Close the Remote Desktop connection to your Ubuntu Virtual Machine
4. Return to the Azure Labs webpage and **stop** your Ubuntu Virtual Machine by clicking the Start/Stop toggle button
5. Once your Ubuntu Virtual Machine has been stopped  , you can then sign out of your Azure Labs account