# Task Three: Scripting

As part of your role, you must train new IT staff automate tasks using scripting. Create a user guide with specific examples to help new staff members understand how scripting can be used to make tasks more efficient. Include at least 5 of the following tasks:

1. Find all scripting commands that are *print* related. Output the list to a local file.
2. Append (the long version of) the current date and time to the same file.
3. Close all notepad files.
4. Append the last 20 errors from the event log to the same file.
5. Append a list of all available WMI classes to the same file.
6. List the start command or full path of every executable (hint: use wmi).
7. Identify what account the spooler is running as (hint: use wmi)

# Scripting Guide for New Users

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Scripting can be used as part of your day-to-day work to make tasks more efficient and free up your time to handle more complex tasks.

To start you will need to download and install Git Bash from git-scm.com. During installation, enable the option to add Git Bash to the **PATH**.

Next, create a new folder on your computer. Once you have created a folder, right click inside the empty folder and select ‘Open Git bash here’

Create a new file name according to the examples below eg ‘print\_scripts.sh’. This can be done by typing ‘touch print\_scripts.sh’ into the terminal then pressing Enter.

Now that you have your sh file you can edit it inside an IDE such as PyCharm.

Enter the relevant codes below to your sh file and save.

Make your sh file executable by going back into terminal and typing ‘chmod +x print\_scripts.sh’

\*\*print\_scripts.sh only an example, amend this to your relevant file name

To execute your script, type into the terminal ‘./print\_scripts.sh’

Below are 5 examples of when scripting can be used and how to use it.

1. **Find all scripting commands that are *print* related. Output the list to a local file.**
2. **Append (the long version of) the current date and time to the same file.**
3. **Close all notepad files.**
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5. **Append a list of all available WMI classes to the same file.**