Shell and Script Environments

1. What are the two types of shells that a user can interact with an operating system?

2. How does the user interact with CLI compared to GUI?

3. The Windows OS command ipconfig displays all current TCP/IP network configuration values and refreshes DHCP and DNS. Is this achieved using GUI or CLI? What is the name of the Windows environment used to run this command?

4. The Bash shell is the CLI for which system?

5. Python is an example of a scripting language which allows the user to build scripts designed to achieve what purpose?

6. PowerShell is a scripting language housed inside a shell environment. How do you think this makes it different from Command Prompt?

7. How does PowerShell compare to Command Prompt in terms of user control over Windows OS?

8. What does Secure Shell (SSH) allow the user to do?

9. What does OpenSSL allow a user to control?