**Bash-Script**

**12/14/2023**

1. Created Github account and project repository, as well as project directory and files bash-script.sh and metrics.txt
2. Tested several different monitoring tools for their outputs and experimented with ways to format the outputs
3. Selected vmstat for its quite limited output and useful stats on some key hardware usage numbers
4. Selected iostat for its neat table output of data flow information
5. Selected netstat for its information about network connections, but had to look for a way to limit its extensive output and settled on piping into the head command
6. Selected top for its information about system resource usage as well as running processes, and implemented a way to sort by process memory usage to capture the ones using the most through head
7. Wrote my script by starting with the shebang header, followed by printf statements to add contextual lines of description for the outputs, as well as add new lines for comfortable spacing in the format
8. Made script executable by using the chmod command to set the executable bit
9. Test ran script and made tweaks repeatedly until I was satisfied with the outputs