

## TASK 4: Shell Scripting Basics

### Tools:

- Primary: Bash
- Alternatives: Zsh, Fish Shell

### Hints / Mini Guide:

1. Create a shell script file and add shebang line.
2. Write scripts for printing system information.
3. Use variables, conditionals, loops in scripts.
4. Automate log cleanup or backup tasks.
5. Make script executable and run it.
6. Redirect output to files.
7. Add comments and documentation.

### Deliverables:

- Shell script files
- Execution screenshots

### Final Outcome:

- Intern automates repetitive DevOps tasks.

### Interview Questions Related To Above Task:

- What is a shell script?
- What is shebang?
- Explain loops in bash
- How to schedule scripts?
- Difference between \$@ and \$\*

## Task Submission Guidelines

-  **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10:00 PM

-  **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

-  **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

-  **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

-  **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

### Submit Here:

After completing the task, paste your GitHub repo link and submit it using the link below:

-  [\[Submission Link\]](#)

