

# Assignment - 2

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## Linux Assignment: File Permissions using `chmod` Command

### Objective

To understand Linux file and directory permissions by creating files/directories and managing their permissions using the `chmod` command.

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### Part A: File and Directory Creation

1. Create a regular file named `example.txt` in your home directory.
  2. Create a shell script file named `script.sh`.
  3. Create another file named `template.txt`.
  4. Create a directory named `docs`.
  5. List all created files and directories and verify their existence using appropriate commands.
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### Part B: File Permission Tasks using `chmod`

1. Change the permissions of the file `example.txt` so that:
  - The owner has **read and write** permissions
  - The group has **read-only** permission
  - Others have **no permissions**
2. Add **only execute permission** to the file `script.sh` for:
  - Owner
  - Group
  - Others
3. Remove the **write permission** from the file `example.txt` for:
  - Group users
  - Other users
4. Change the permissions of the directory `docs` so that:
  - The owner has **read, write, and execute** permissions
  - The group has **read and execute** permissions
  - Others have **read-only** permission

5. Set the permissions of `example.txt` to be **exactly the same** as the permissions of the file `template.txt`.
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## Submission Guidelines

- Capture screenshots for:
  - File and directory creation
  - Permission changes
  - Permission verification using `ls -l`
- Upload all screenshots to GitHub.