

# Linux Commands Assignment – Part II

## Commands Covered

`mkdir`, `rm`, `rmdir`, `ls`, `tree`

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## Objective

To learn and practice directory creation, structure verification, and directory deletion in Linux using `mkdir`, `rm`, and `rmdir` commands.

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## Instructions

1. Open the **Terminal** on your Linux system.
2. Use the `cd` command to navigate to the directory where you want to create new directories.
3. Use the `mkdir` command to create directories.

### Syntax:

```
mkdir [options] directory_name
```

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## Tasks

- 4 Perform the following directory creation tasks and write down the commands used:
    - a. Create a directory named `my_directory`
    - b. Inside `my_directory`, create another directory named `our_directory`
    - c. Create a hidden directory named `.new_directory`
    - d. Create a directory named `pictures` with the following subdirectories:
      - `vacation`
      - `family`
      - `friends`
    - e. Create a directory named `dir1`
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- 5 Use the `ls` command to verify that all directories have been created successfully.
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- 6 Use the `tree` command to display the complete directory structure.

- If `tree` is not installed, install it using:

```
sudo apt-get install tree
```

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**7** Practice additional `mkdir` options:

- `-p` : Create parent directories if they do not exist
  - `-m` : Set permissions while creating a directory
  - `-v` : Show verbose output
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**8** Delete the directory named `dir1`

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**9** Delete the directory named `pictures` (including its subdirectories)

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## **Submission Guidelines**

- Take **screenshots of the command output** for each task.
- Upload the **output screenshots to your Git repository**.