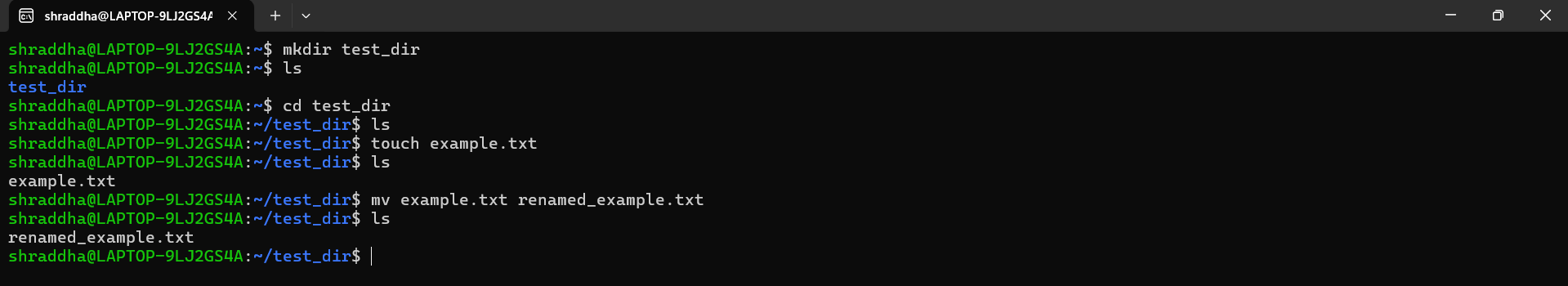
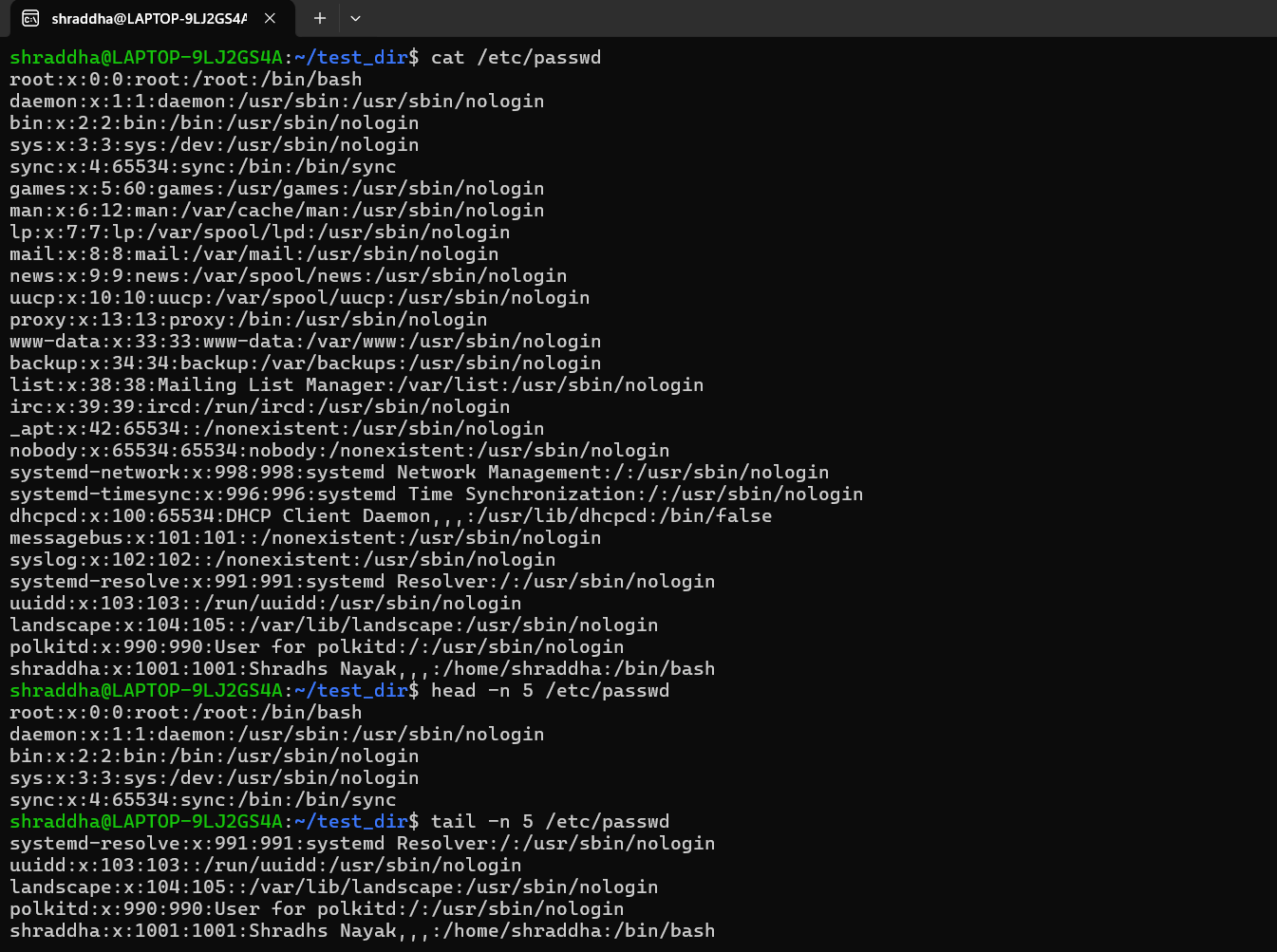
1. **Creating and Renaming Files/Directories**

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**Explanation:**

* **mkdir test\_dir** → Creates a directory named **test\_dir.**
* **cd test\_dir** → Moves into the **test\_dir** directory.
* **touch example.txt** → Creates an empty file named **example.txt.**
* **mv example.txt renamed\_example.txt** → Renames the file to **renamed\_example.txt.**

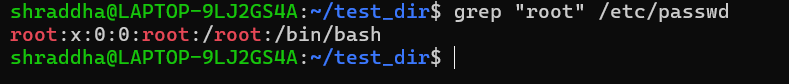
1. **Viewing File Contents**

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**Explanation:**

* **cat /etc/passwd** → Displays the full contents of the **/etc/passwd** file.
* **head -n 5 /etc/passwd** → Shows only the first 5 lines.
* **tail -n 5 /etc/passwd** → Shows only the last 5 lines.

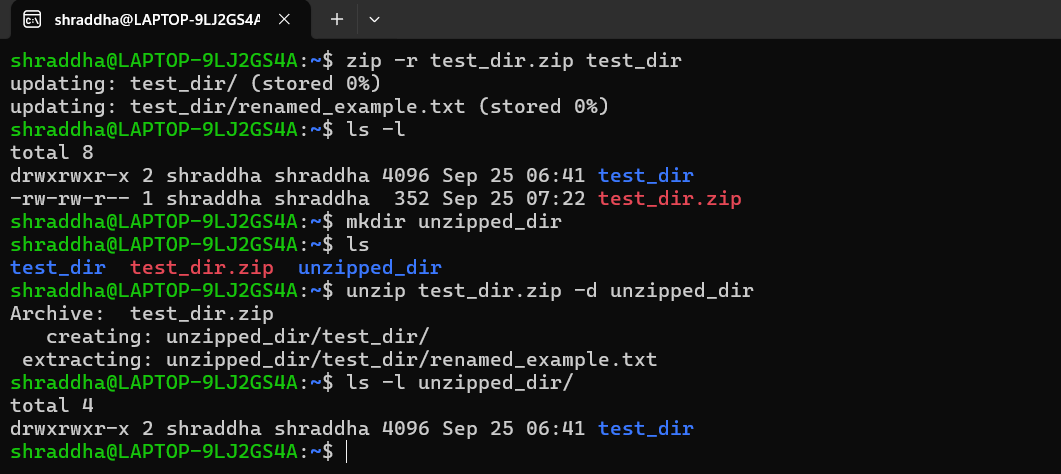
**3.Searching for Patterns**

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**Explanation:**

* **grep "root" /etc/passwd** → Finds and displays all lines containing the word **"root"** in the **/etc/passwd** file.

**4. Zipping and Unzipping**

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**Explanation:**

* **zip -r test\_dir.zip test\_dir** → Compresses **test\_dir** into **test\_dir.zip.**
* **mkdir unzipped\_dir** → Creates a directory to extract the files into.
* **unzip test\_dir.zip -d unzipped\_dir** → Extracts the contents of **test\_dir.zip** into **unzipped\_dir.**

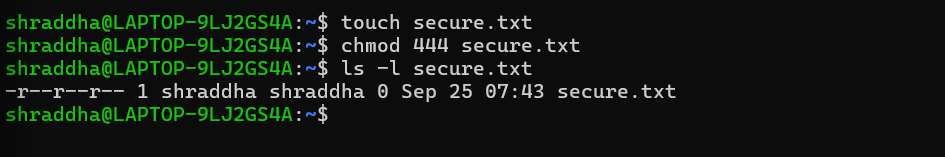
**5. Downloading Files**

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**Explanation:**

* **wget** → Downloads files from the web. (Eg: <https://www.iana.org/help/example-domains>)

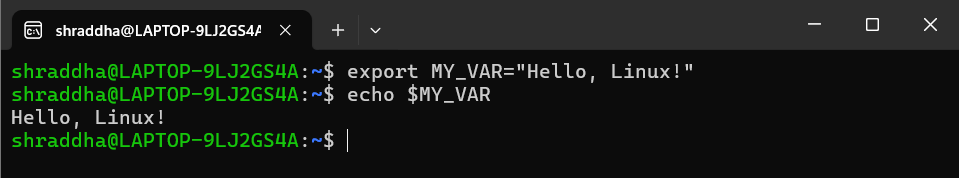
**6. Changing Permissions**

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**Explanation:**

* **touch secure.txt** → Creates a file named **secure.txt.**
* **chmod 444 secure.txt** → Changes permissions to read-only for owner, group, and others.

**7. Working with Environment Variables**

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**Explanation:**

* **export MY\_VAR="Hello, Linux!" →** Creates a new environment variable called **MY\_VAR.**
* **echo $MY\_VAR** → Displays the value of **MY\_VAR.**