1. Creating and Renaming Files/Directories

Create a directory named test\_dir using mkdir.

Ans: mkdir test\_dir

Inside test\_dir, create an empty file called example.txt.

Ans : cd test\_dir

touch example.txt

Rename example.txt to renamed\_example.txt using mv

Ans : mv example.txt renamed\_example.txt

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2. Viewing File Contents

Use cat to display the contents of /etc/passwd.

Ans: cat /etc/passwd

A computer screen shot of a computer screen

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Display only the first 5 lines of /etc/passwd using head.

Ans: head -n 5 /etc/passwd

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Display only the last 5 lines of /etc/passwd using tail.

Ans: tail -5 /etc/passwd

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3.Searching for Patterns

Use grep to find all lines containing the word "root" in /etc/passwd.

Ans: grep root /etc/passwd

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4. Zipping and Unzipping

Compress the test\_dir directory into a file named test\_dir.zip using zip.

Ans: zip -r test\_dir.zip test\_dir

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Unzip test\_dir.zip into a new directory named unzipped\_dir.

Ans: unzip test\_dir.zip -d unzipped\_dir

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5. Downloading Files

Use wget to download a file from a URL (e.g., https://example.com/sample.txt).

Ans: wget https://example.com/sample.txt

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6. Changing Permissions

Create a file named secure.txt and change its permissions to read-only for everyone using chmod.

Ans: touch secure.txt

chmod 444 secure.txt

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7. Working with Environment Variables

Use export to set a new environment variable called MY\_VAR with the value "Hello, Linux!".

Ans: export MY\_VAR="Hello, Linux!"

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