

Answers of Linux Assignment

1. Creating and Renaming Files/Directories

Create a directory named test_dir using mkdir.

mkdir test_dir

Inside test_dir, create an empty file called example.txt.

touch test_dir/example.txt

Rename example.txt to renamed_example.txt using mv

mv example.txt renamed_example.txt

2. Viewing File Contents

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

cat /etc/passwd

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

head -n 5 /etc/passwd

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

tail -n 5 /etc/passwd

3. Searching for Patterns

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

cat /etc/passwd | grep -n root

4. Zipping and Unzipping

Compress the test_dir directory into a file named test_dir.zip using zip.

```
zip -r test_dir.zip test_dir
```

Unzip test_dir.zip into a new directory named unzipped_dir.

```
unzip test_dir.zip -d unzipped_dir
```

5. Downloading Files

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

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

6. Changing Permissions

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

```
touch secure.txt
```

```
chmod -a +r secure.txt
```

7. Working with Environment Variables

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

```
export MY_VAR="Hello, Linux!"
```

Submission Guidelines -: Attach Screenshots or command along with explanation and submit in doc(google doc or microsoft doc) format also attach github repo link

GitHub URL: <https://github.com/tejaskaher999/tutedude.git>