

## Linux-Terminal-30-Oct-Lab

### 1. Display Current Directory

```
~$ pwd  
/home/user
```

### 2. Check Operating System Information

```
~$ uname  
Linux
```

### 3. Create a New Directory

```
~$ mkdir Shohan
```

### 4. Navigate to the New Directory

```
~$ cd Shohan  
~/Shohan$
```

### 5. List Files in the Directory

```
~/Shohan$ ls -la  
total 2  
drwxr-xr-x 2 user user  2 Nov  1 12:03 .  
drwxr-xr-x 5 user user 13 Nov  1 12:03 ..
```

### 6. List All Files, Including Hidden Files

```
~/Shohan$ ls -a  
.  ..
```

### 7. Create a New File

```
~/Shohan$ touch a.txt
```

### 8. Add Content to the File

```
~/Shohan$ echo Hey Linux > a.txt
```

### 9. Append Content to the File

```
~/Shohan$ echo Linux Terminal >> a.txt
```

### 10. View the Content of the File

```
~/Shohan$ cat a.txt  
Hey Linux  
Linux Terminal
```

### 11. Create Multiple Files

```
~/Shohan$ touch b.txt c.txt d.txt
```

## 12. Display a List of Files with a Specific Extension

```
~/Shohan$ ls *.txt
```

```
a.txt b.txt c.txt d.txt
```

## 13. Create a Nested Directory Structure

```
~/Shohan$ mkdir -p Alpha/Beta/Gamma
```

## 14. Move Between Directories

```
~/Shohan$ cd Alpha
```

```
~/Shohan/Alpha$ cd Beta
```

```
~/Shohan/Alpha/Beta$ cd Gamma
```

```
~/Shohan/Alpha/Beta/Gamma$ cd ..
```

```
~/Shohan/Alpha/Beta$ cd ..
```

```
~/Shohan/Alpha$ cd ..
```

```
~/Shohan$
```

## 15. Display System Kernel Information

```
~/Shohan$ uname -r
```

```
5.15.0-1046-gcp
```

## 16. Display System Architecture

```
~/Shohan$ uname -m
```

```
x86_64
```

## 17. Create a Hidden File

```
~/Shohan$ touch .e.txt
```

## 18. Redirect Command Output to a New File

```
~/Shohan$ pwd >> CommandOutput.txt
```

## 19. Append System Information to a Log File

```
~/Shohan$ uname >> logFile.txt
```

## 20. Append History to a File.

```
~/Shohan$ history >> History.txt
```