Linux Practice Commands

Day 17 COMMANDS

ALL commands:

• whoami
• touch (single & multiple files)
• ls (repeated usage cases)
• vi editor usage
• nano editor usage
• cat
• rm
• history
• vi save/exit
• nano save/exit

1. whoami

Command: whoami
Why it is used: To know the currently logged-in user
Purpose: Identity verification and user session check
How it is used: Type whoami in terminal
Result: Displays username of current user

Image:

```
Editor    Tab 1    +

controlplane:~$ whoami
root
controlplane:~$ █
```

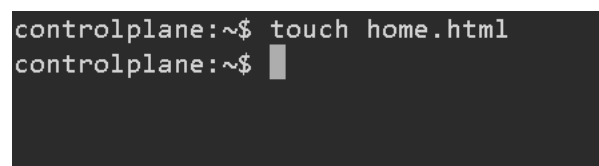## 2. touch home.html

Command: touch home.html
Why it is used: To create a file
Purpose: File creation
How it is used: touch filename
Result: Creates empty file home.html

Image:

```
controlplane:~$ touch home.html
controlplane:~$ ▊
```
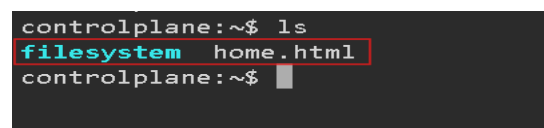
3. ls

Command: ls
Why it is used: To list files and folders
Purpose: Directory viewing
How it is used: ls
Result: Shows all files and folders

Image:

```
controlplane:~$ ls
filesystem   home.html
controlplane:~$ ▊
```

4. touch about.html contact.html project.html

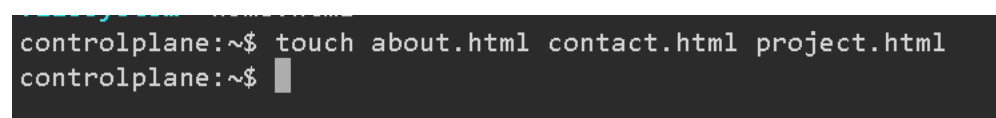Command: touch about.html contact.html project.html
Why it is used: To create multiple files
Purpose: Bulk file creation
How it is used: touch file1 file2 file3
Result: Creates multiple files

Image:

```
controlplane:~$ touch about.html contact.html project.html
controlplane:~$ ▊
```

5. vi home.html

Command: vi home.html
Why it is used: To edit file
Purpose: File editing
How it is used: vi filename
Result: Opens file in vi editor

Image:

6. cat home.html

Command: cat home.html
Why it is used: To view file content
Purpose: Content display
How it is used: cat filename
Result: Shows content of file

Image:

```
controlplane:~$ cat home.html
This is a home page file
Linux

controlplane:~$ ▯
```

7. vi about.html

Command: vi about.html
Why it is used: To edit file
Purpose: File editing
How it is used: vi filename
Result: Opens file in vi editor

Image:

```
controlplane:~$ vi about.html
controlplane:~$ ▯
```

8. cat about.html
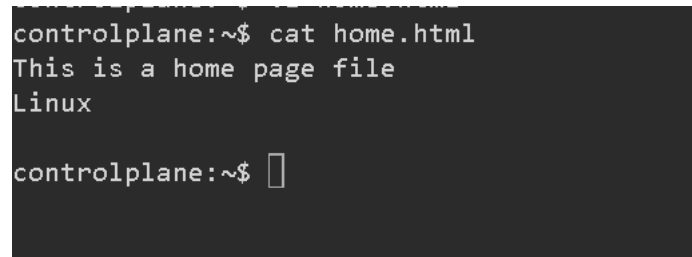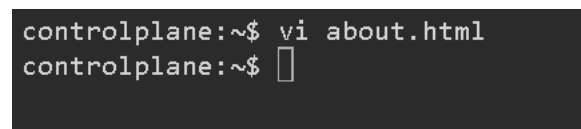
Command: cat about.html
Why it is used: To view file content
Purpose: Content display
How it is used: cat filename
Result: Shows content of file

Image:

```
controlplane:~$ cat about.html
This is about page
Linux vi editor practice

controlplane:~$ ▯
```

9. nano project.html

Command: nano project.html
Why it is used: To edit file
Purpose: Text editing
How it is used: nano filename
Result: Opens nano editor

Image:

```
controlplane:~$ nano project.html
controlplane:~$ ▯
```

```
  GNU nano 7.2                              project.html
This is project page
Nano editor practice




                              [ Read 2 lines ]
^G Help        ^O Write Out   ^W Where Is   ^K Cut        ^T Execute    ^C Location    M-U Undo
^X Exit        ^R Read File   ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line  M-E Redo
```

10. cat project.html
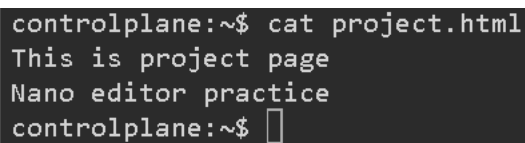
Command: cat project.html
Why it is used: To view file content
Purpose: Content display
How it is used: cat filename
Result: Shows content of file

Image:

```
controlplane:~$ cat project.html
This is project page
Nano editor practice
controlplane:~$ ▯
```

11. vi teams
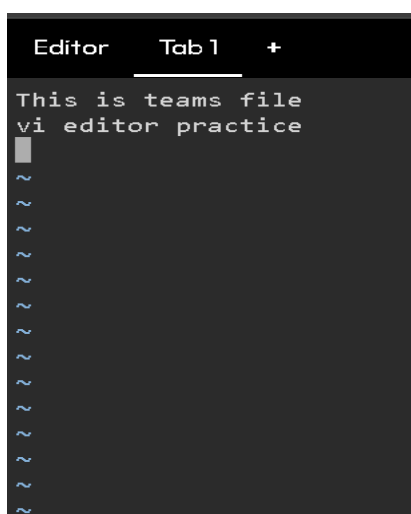
Command: vi teams
Why it is used: To edit file
Purpose: File editing
How it is used: vi filename
Result: Opens file in vi editor

Image:

```
Editor    Tab 1    +

This is teams file
vi editor practice
▮
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```
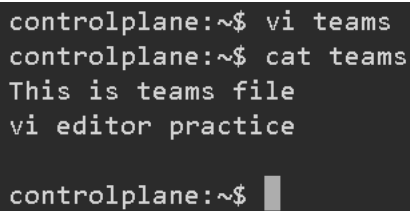
12. cat teams

Command: cat teams
Why it is used: To view file
Purpose: Content reading
How it is used: cat filename
Result: Shows file content

Image:


```
controlplane:~$ vi teams
controlplane:~$ cat teams
This is teams file
vi editor practice

controlplane:~$ █
```

13. nano cloud

Command: nano cloud
Why it is used: To edit file
Purpose: Text editing
How it is used: nano filename
Result: Opens nano editor

14. cat cloud

Command: cat cloud
Why it is used: To view file
Purpose: Content reading
How it is used: cat filename
Result: Shows file content

15. rm project.html

Command: rm project.html
Why it is used: To delete file
Purpose: File removal
How it is used: rm filename
Result: File deleted

Image:

```
controlplane:~$ ls
about.html  cloud  contact.html  filesystem  home.html  project.html  teams
controlplane:~$ rm project.html
controlplane:~$ ls
about.html  cloud  contact.html  filesystem  home.html  teams
controlplane:~$
```

16. rm teams

Command: rm teams
Why it is used: To delete file
Purpose: File removal
How it is used: rm filename
Result: File deleted

Image:

```
controlplane:~$ rm teams
controlplane:~$ ls
about.html  cloud  contact.html  filesystem  home.html
controlplane:~$
```

17. rm cloud

Command: rm cloud
Why it is used: To delete file
Purpose: File removal
How it is used: rm filename
Result: File deleted
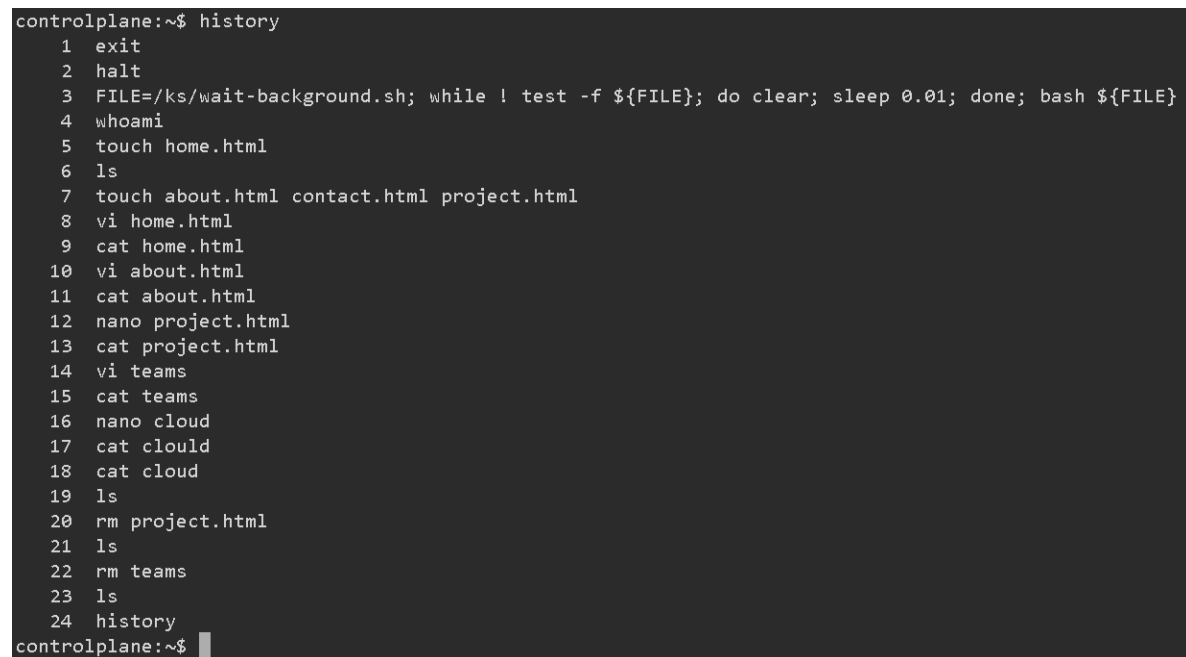
18. history

Command: history

Why it is used: To see command history

Purpose: Command tracking

How it is used: history

Result: Shows all previously executed commands

Image

```
controlplane:~$ history
    1  exit
    2  halt
    3  FILE=/ks/wait-background.sh; while ! test -f ${FILE}; do clear; sleep 0.01; done; bash ${FILE}
    4  whoami
    5  touch home.html
    6  ls
    7  touch about.html contact.html project.html
    8  vi home.html
    9  cat home.html
   10  vi about.html
   11  cat about.html
   12  nano project.html
   13  cat project.html
   14  vi teams
   15  cat teams
   16  nano cloud
   17  cat clould
   18  cat cloud
   19  ls
   20  rm project.html
   21  ls
   22  rm teams
   23  ls
   24  history
controlplane:~$ 
```

Day 18 Commands

ALL commands:

- ls, touch, cat
- vi editor
- mv (rename + move)
- mkdir (single & multiple dirs)
- cd (nested navigation)
- pwd
- cp
- rmdir
- rm
- rm -rf
- wget
- ping
- history

1. mv about.html profile.html

Command: mv about.html profile.html
Why it is used: To rename file
Purpose: File renaming
How it is used: mv old name new name
Result: File renamed

Before Image:

```
controlplane:~$ ls
about.html  cloud  contact.html  filesystem  home.html
```

After Image:

```
controlplane:~$ mv about.html profile.html
controlplane:~$ ls
cloud  contact.html  filesystem  home.html  profile.html
controlplane:~$
```

2. mkdir CloudLab

Command: mkdir CloudLab
Why it is used: To create directory
Purpose: Folder creation
How it is used: mkdir foldername
Result: Folder created

Image:

```
controlplane:~$ mkdir CloudLab
controlplane:~$ 
```

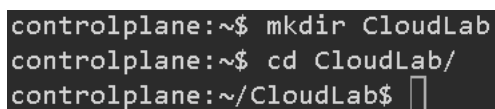## 3. cd CloudLab/

Command: cd CloudLab/
Why it is used: To enter folder
Purpose: Directory navigation
How it is used: cd foldername
Result: Moves into folder

Image:

```
controlplane:~$ mkdir CloudLab
controlplane:~$ cd CloudLab/
controlplane:~/CloudLab$ 
```
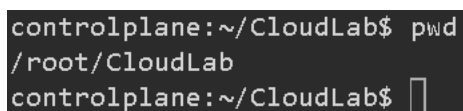
4. pwd

Command: pwd
Why it is used: To know current path
Purpose: Location tracking
How it is used: pwd
Result: Shows current directory path

Image:

```
controlplane:~/CloudLab$ pwd
/root/CloudLab
controlplane:~/CloudLab$ 
```

5. cp home.html CloudLab/

Command: cp home.html CloudLab/
Why it is used: To copy file
Purpose: File duplication
How it is used: cp source destination
Result: File copied

Image:

```
controlplane:~$ cp /root/home.html /root/CloudLab/
controlplane:~$ ls /root/CloudLab/
home.html
controlplane:~$
```

6. rmdir temp/

Command: rmdir temp/
Why it is used: To delete empty folder
Purpose: Directory removal
How it is used: rmdir foldername
Result: Folder deleted

Image:

```
controlplane:~$ mkdir temp
controlplane:~$ ls
CloudLab  cloud  contact.html  filesystem  home.html  profile.html  temp
controlplane:~$ rmdir temp
controlplane:~$ ls
CloudLab  cloud  contact.html  filesystem  home.html  profile.html
controlplane:~$
```

7. rm -rf training-zone/

Command: rm -rf training-zone/
Why it is used: To delete folder forcefully
Purpose: Recursive deletion
How it is used: rm -rf foldername
Result: Folder and contents deleted

Image:

```
controlplane:~$ mkdir training-zone
controlplane:~$ touch training-zone/f1 training-zone/f2
controlplane:~$ ls
CloudLab  cloud  contact.html  filesystem  home.html  profile.html  training-zone
controlplane:~$
```

```
controlplane:~$ rm -rf training-zone
controlplane:~$ ls
CloudLab  cloud  contact.html  filesystem  home.html  profile.html
controlplane:~$
```

8. wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.115/bin/apache-tomcat-9.0.115.exe

Command: wget URL

Why it is used: To download file

Purpose: Internet file download

How it is used: wget file_url

Result: File downloaded

Image:

```
controlplane:~$ wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.115/bin/apache-tomcat-9.0.115.exe
--2026-01-30 06:39:04--  https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.115/bin/apache-tomcat-9.0.115.exe
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42::644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14430008 (14M) [application/x-msdos-program]
Saving to: 'apache-tomcat-9.0.115.exe'

apache-tomcat-9.0.115.exe  100%[========================================>]  13.76M  12.9MB/s    in 1.1s

2026-01-30 06:39:05 (12.9 MB/s) - 'apache-tomcat-9.0.115.exe' saved [14430008/14430008]

controlplane:~$
```

```
controlplane:~$ ls
CloudLab  apache-tomcat-9.0.115.exe  cloud  contact.html  filesystem  home.html  profile.html
controlplane:~$
```

9. ping www.google.com

Command: ping www.google.com

Why it is used: To test connectivity

Purpose: Network testing

How it is used: ping website

Result: Network response status

Image:

```
controlplane:~$ ping www.google.com
PING www.google.com (142.251.153.119) 56(84) bytes of data.
64 bytes from 142.251.153.119: icmp_seq=1 ttl=117 time=3.91 ms
64 bytes from 142.251.153.119: icmp_seq=2 ttl=117 time=3.40 ms
64 bytes from 142.251.153.119: icmp_seq=3 ttl=117 time=3.13 ms
64 bytes from 142.251.153.119: icmp_seq=4 ttl=117 time=3.75 ms
64 bytes from 142.251.153.119: icmp_seq=5 ttl=117 time=3.88 ms
64 bytes from 142.251.153.119: icmp_seq=6 ttl=117 time=3.56 ms
64 bytes from 142.251.153.119: icmp_seq=7 ttl=117 time=3.64 ms
64 bytes from 142.251.153.119: icmp_seq=8 ttl=117 time=3.74 ms
64 bytes from 142.251.153.119: icmp_seq=9 ttl=117 time=3.92 ms
64 bytes from 142.251.153.119: icmp_seq=10 ttl=117 time=3.52 ms
64 bytes from 142.251.153.119: icmp_seq=11 ttl=117 time=3.57 ms
64 bytes from 142.251.153.119: icmp_seq=12 ttl=117 time=3.61 ms
64 bytes from 142.251.153.119: icmp_seq=13 ttl=117 time=3.28 ms
64 bytes from 142.251.153.119: icmp_seq=14 ttl=117 time=3.92 ms
64 bytes from 142.251.153.119: icmp_seq=15 ttl=117 time=3.88 ms
64 bytes from 142.251.153.119: icmp_seq=16 ttl=117 time=3.84 ms
^C
--- www.google.com ping statistics ---
16 packets transmitted, 16 received, 0% packet loss, time 15023ms
rtt min/avg/max/mdev = 3.127/3.656/3.918/0.233 ms
controlplane:~$
```

10. ping www.amazon.com

Command: ping www.amazon.com

Why it is used: To test connectivity

Purpose: Network testing

How it is used: ping website

Result: Network response status

Image:

```
controlplane:~$ ping www.amazon.com
PING cf.47cf2c8c9-frontier.amazon.com (13.249.254.71) 56(84) bytes of data.
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=1 ttl=239 time=16.5 ms
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=2 ttl=239 time=16.6 ms
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=3 ttl=239 time=17.0 ms
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=4 ttl=239 time=16.9 ms
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=5 ttl=239 time=17.1 ms
64 bytes from server-13-249-254-71.lhr61.r.cloudfront.net (13.249.254.71): icmp_seq=6 ttl=239 time=17.4 ms
^C
--- cf.47cf2c8c9-frontier.amazon.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5003ms
rtt min/avg/max/mdev = 16.518/16.927/17.399/0.296 ms
controlplane:~$
```
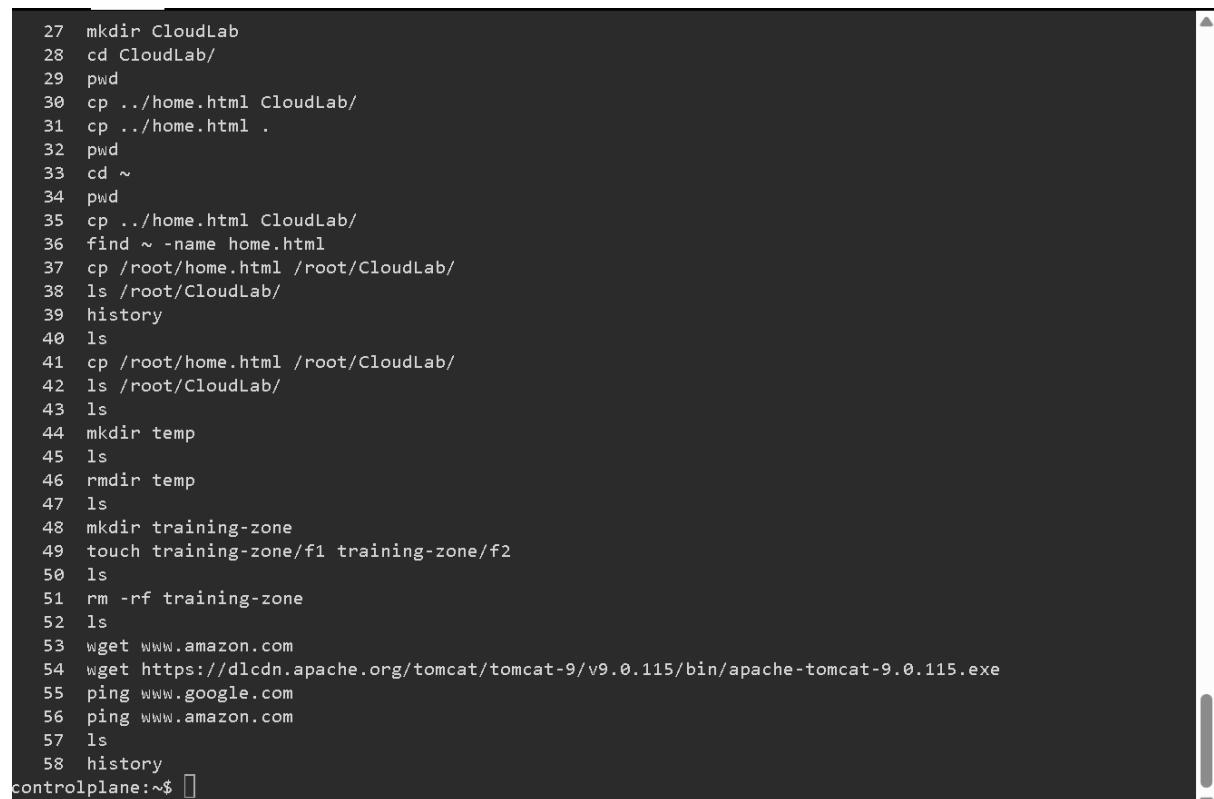
11. history

Command: history
Why it is used: To view all commands
Purpose: Tracking commands
How it is used: history
Result: Command list displayed

Image:

```
27  mkdir CloudLab
28  cd CloudLab/
29  pwd
30  cp ../home.html CloudLab/
31  cp ../home.html .
32  pwd
33  cd ~
34  pwd
35  cp ../home.html CloudLab/
36  find ~ -name home.html
37  cp /root/home.html /root/CloudLab/
38  ls /root/CloudLab/
39  history
40  ls
41  cp /root/home.html /root/CloudLab/
42  ls /root/CloudLab/
43  ls
44  mkdir temp
45  ls
46  rmdir temp
47  ls
48  mkdir training-zone
49  touch training-zone/f1 training-zone/f2
50  ls
51  rm -rf training-zone
52  ls
53  wget www.amazon.com
54  wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.115/bin/apache-tomcat-9.0.115.exe
55  ping www.google.com
56  ping www.amazon.com
57  ls
58  history
controlplane:~$
```