

ASSIGNMENT

Open Source Platforms – Lab

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COURSE CODE:20INMCA332

ROLL NO: 03

Linux Commands

1. Echo, Read

```
akj@AKJ-PC: ~  
akj@AKJ-PC:~$ echo -e 'hallo\nworld'  
hallo  
world  
akj@AKJ-PC:~$ |
```

```
akj@AKJ-PC: ~  
akj@AKJ-PC:~$ echo "Enter Number : "  
Enter Number :  
akj@AKJ-PC:~$ read number  
60  
akj@AKJ-PC:~$ echo $number  
60  
akj@AKJ-PC:~$ |
```

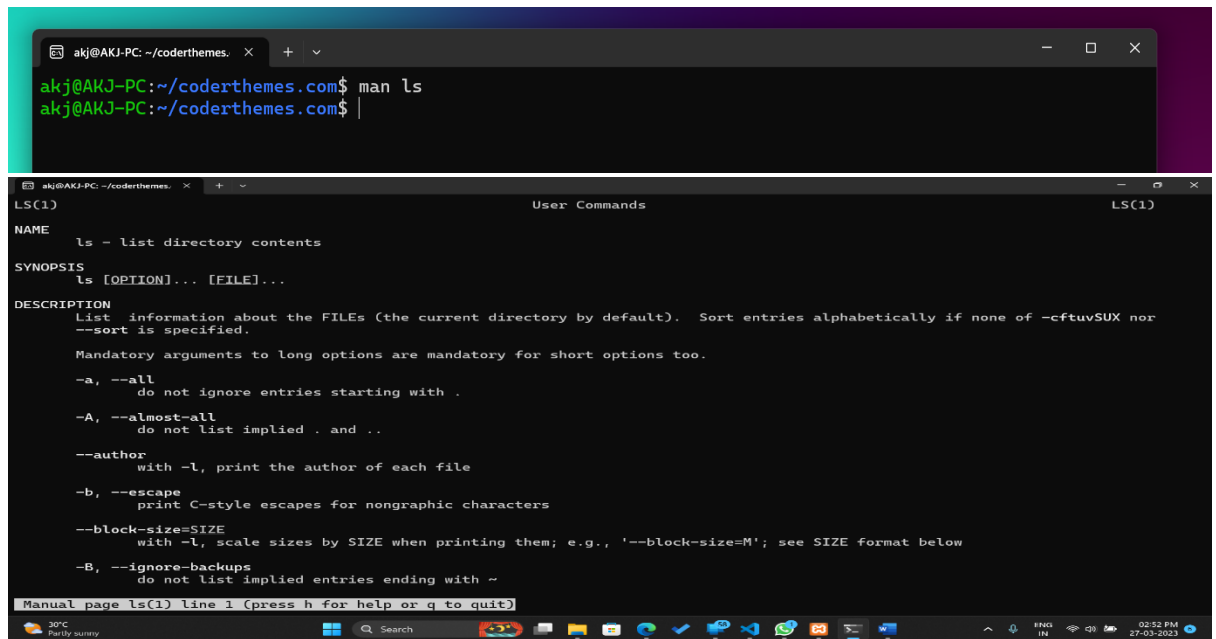
2. More, Less

```
akj@AKJ-PC: ~/codertthemes.com$ more -10 index.html  
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
  <meta charset="utf-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1">  
  <title>Coderthemes Design - Full-stack software, web design & development</title>  
  
  <meta name="keywords" content="software development, web design, web development, full-stack, full-stack software, admin templates  
  , bootstrap"/>  
  --More--(1%)
```

```
akj@AKJ-PC: ~/codertthemes.com$ less portfolio.html |
```

```
<html lang="en">  
<head>  
  <meta charset="utf-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1">  
  <title>Coderthemes Design - Creative full stack web design & development</title>  
  
  <meta name="keywords" content="admin themes, bootstrap admin theme, admin template, bootstrap, sass, css, css3, laravel, dashboard  
  , HTML, html5, vue, vuejs, angular, react, javascript, bootstrap admin, bootstrap templates, web design, web development, custom devel  
  opment, premium themes"/>  
  <meta name="description" content="Bootstrap admin templates & frontend themes by Coderthemes.com. All the templates are super  
  clean, responsive and modern."/>  
  <meta name="author" content="coderthemes.com">  
  
  <meta name="coderthemes" content="admin themes, bootstrap admin theme, admin template, bootstrap, sass, css, css3, laravel, dashbo  
  ard, HTML, html5, vue, vuejs, angular, react, javascript, bootstrap admin, bootstrap templates, web design, web development, custo  
  m development, premium themes" />  
  
  <meta name="classification" content="Coderthemes">  
  <meta name="copyright" content="Coderthemes"/>  
  <meta name="expires" content="never">  
  <meta name="geography" content="india"/>  
  <meta name="distribution" content="global"/>  
  <meta name="publisher" content="http://www.coderthemes.com/" />  
  
  <meta property="og:title" content="Coderthemes Design - Creative full stack web design & development studio"/>  
  <meta property="og:description" content="" />  
  <meta property="og:keywords" content="admin themes, bootstrap admin theme, admin template, bootstrap, sass, css, css3, laravel, da  
  shboard, HTML, html5, vue, vuejs, angular, react, javascript, bootstrap admin, bootstrap templates, web design, web development, custo  
  m development, premium themes" />  
  <meta property="og:type" content="website"/>  
  <meta property="og:locale" content="IN"/>  
  <meta property="og:site_name" content="Coderthemes Design - Creative full stack web design & development studio"/>  
:  
:~
```

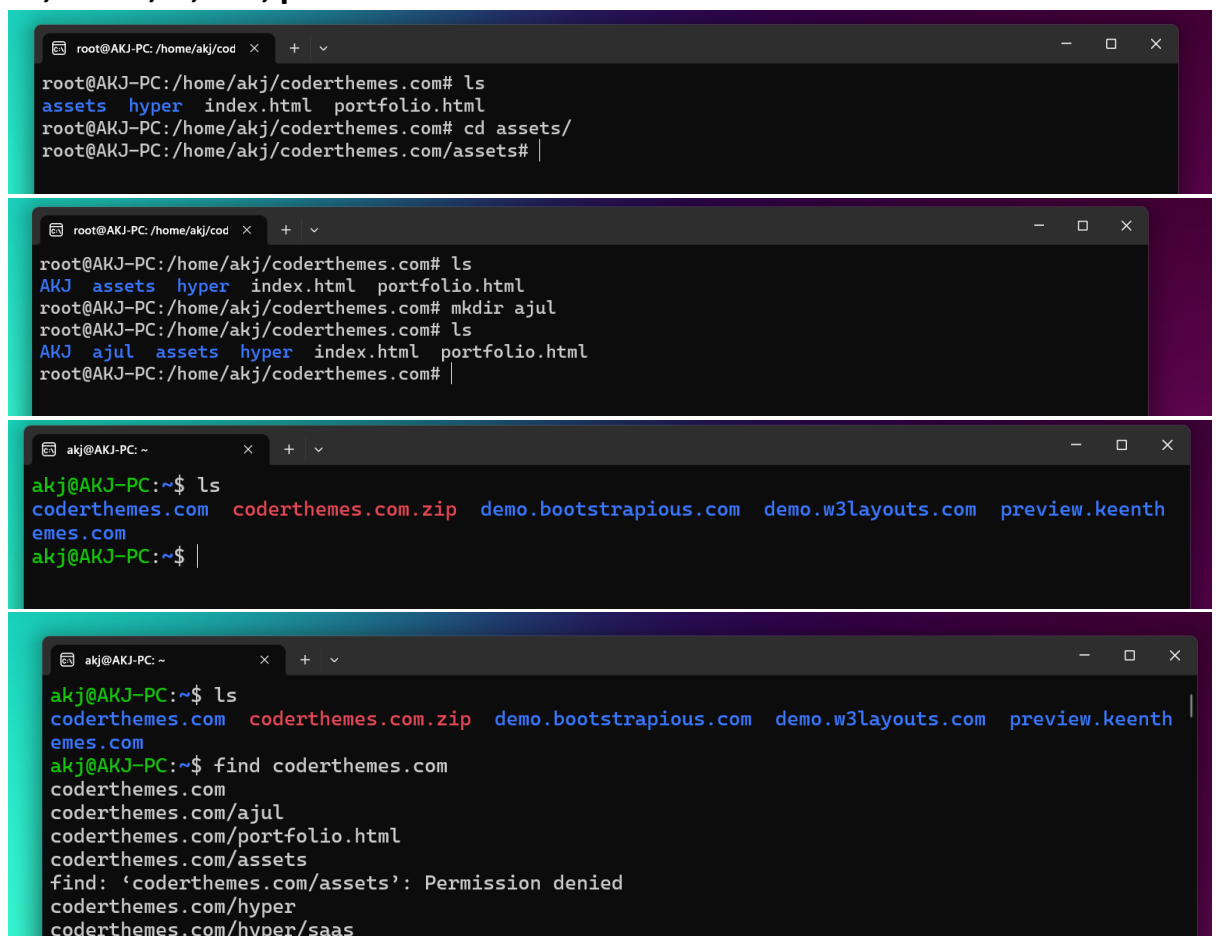
3. Man



```
akj@AKJ-PC: ~/codertthemes. x + v
akj@AKJ-PC:~/codertthemes.com$ man ls
akj@AKJ-PC:~/codertthemes.com$ |

LS(1) User Commands LS(1)
NAME
ls - list directory contents
SYNOPSIS
ls [OPTION]... [FILE]...
DESCRIPTION
List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor
--sort is specified.
Mandatory arguments to long options are mandatory for short options too.
-a, --all
do not ignore entries starting with .
-A, --almost-all
do not list implied . and ..
--author
with -l, print the author of each file
-b, --escape
print C-style escapes for nongraphic characters
--block-size=SIZE
with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format below
-B, --ignore-backups
do not list implied entries ending with ~
Manual page ls(1) line 1 (press h for help or q to quit)
```

4. cd, mkdir, ls, find, pwd



```
root@AKJ-PC: /home/akj/cod x + v
root@AKJ-PC: /home/akj/codertthemes.com# ls
assets hyper index.html portfolio.html
root@AKJ-PC: /home/akj/codertthemes.com# cd assets/
root@AKJ-PC: /home/akj/codertthemes.com/assets# |

root@AKJ-PC: /home/akj/cod x + v
root@AKJ-PC: /home/akj/codertthemes.com# ls
AKJ assets hyper index.html portfolio.html
root@AKJ-PC: /home/akj/codertthemes.com# mkdir ajul
root@AKJ-PC: /home/akj/codertthemes.com# ls
AKJ ajul assets hyper index.html portfolio.html
root@AKJ-PC: /home/akj/codertthemes.com# |

akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~$ ls
codertthemes.com codertthemes.com.zip demo.bootstrapious.com demo.w3layouts.com preview.keenthemes.com
akj@AKJ-PC:~$ |

akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~$ ls
codertthemes.com codertthemes.com.zip demo.bootstrapious.com demo.w3layouts.com preview.keenthemes.com
akj@AKJ-PC:~$ find codertthemes.com
codertthemes.com
codertthemes.com/ajul
codertthemes.com/portfolio.html
codertthemes.com/assets
find: 'codertthemes.com/assets': Permission denied
codertthemes.com/hyper
codertthemes.com/hyper/saas
```

```
root@AKJ-PC: /home/akj/cod x + v
root@AKJ-PC: /home/akj/coderthemes.com# pwd
/home/akj/coderthemes.com
root@AKJ-PC: /home/akj/coderthemes.com# |
```

5. cat, mv, cp,rm

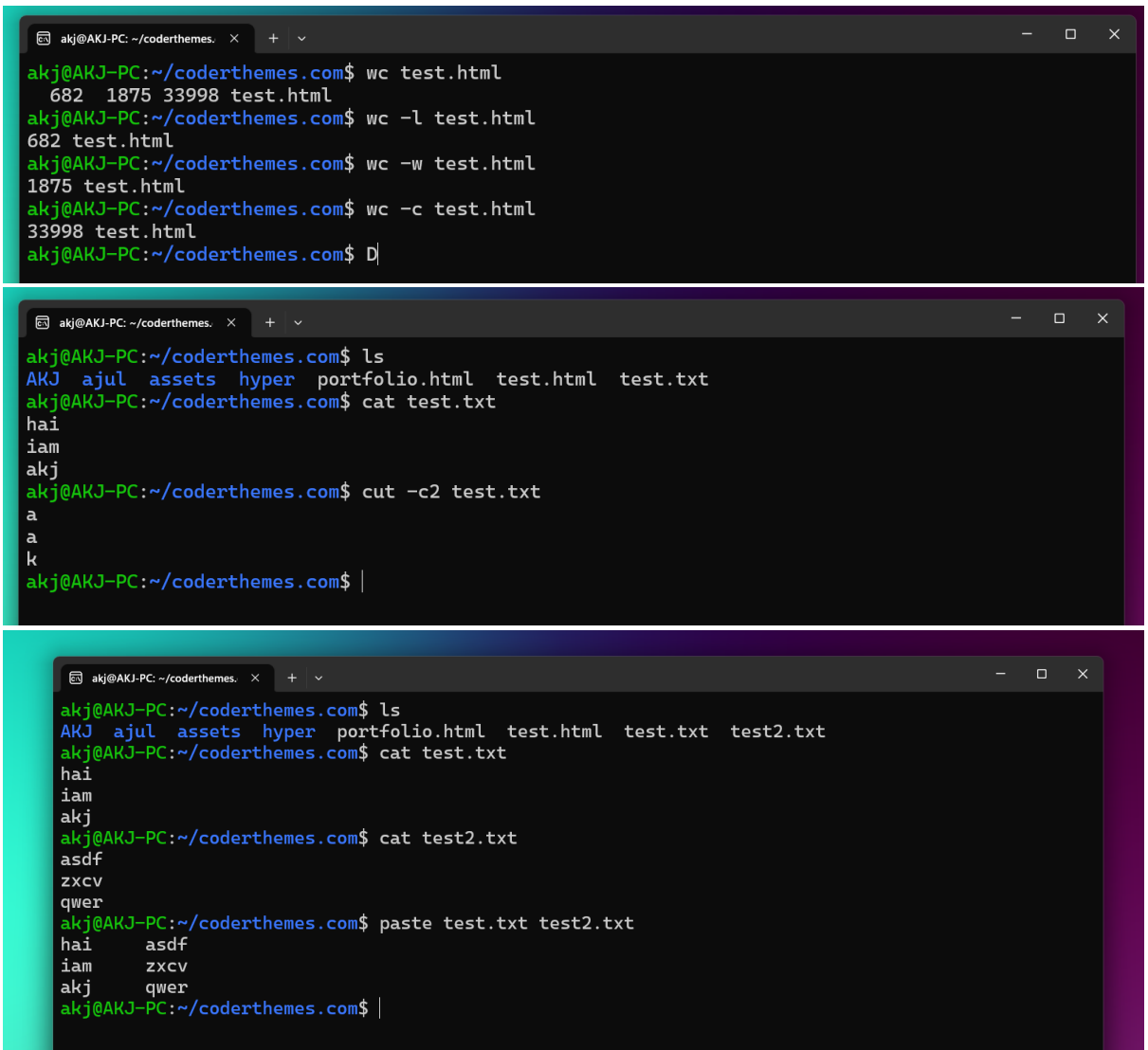
```
akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~$ cat >test.txt
hai
iam
AKJ
akj@AKJ-PC:~$ ls
coderthemes.com      demo.bootstrapious.com  preview.keenthemes.com
coderthemes.com.zip  demo.w3layouts.com      test.txt
akj@AKJ-PC:~$ cat test.txt
hai
iam
AKJ
akj@AKJ-PC:~$ |
```

```
akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~/coderthemes.com/ajul$ cd
akj@AKJ-PC:~$ ls
coderthemes.com      demo.bootstrapious.com  preview.keenthemes.com
coderthemes.com.zip  demo.w3layouts.com      test.txt
akj@AKJ-PC:~$ mv test.txt abc.txt
akj@AKJ-PC:~$ ls
abc.txt              coderthemes.com.zip      demo.w3layouts.com
coderthemes.com      demo.bootstrapious.com  preview.keenthemes.com
akj@AKJ-PC:~$ |
```

```
akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~/coderthemes.com$ ls
AKJ  ajul  assets  hyper  portfolio.html
akj@AKJ-PC:~/coderthemes.com$ cp portfolio.html test.html
akj@AKJ-PC:~/coderthemes.com$ ls
AKJ  ajul  assets  hyper  portfolio.html  test.html
akj@AKJ-PC:~/coderthemes.com$ |
```

```
akj@AKJ-PC: ~ x + v
akj@AKJ-PC:~$ ls
abc.txt              coderthemes.com.zip      demo.w3layouts.com
coderthemes.com      demo.bootstrapious.com  preview.keenthemes.com
akj@AKJ-PC:~$ rm abc.txt
akj@AKJ-PC:~$ ls
coderthemes.com      demo.bootstrapious.com  preview.keenthemes.com
coderthemes.com.zip  demo.w3layouts.com
akj@AKJ-PC:~$ |
```

6. wc, cut, paste



The image displays three terminal windows illustrating the use of the `wc`, `cut`, and `paste` commands.

Terminal 1: Using `wc` command

```
akj@AKJ-PC: ~/coderthemes.  
akj@AKJ-PC:~/coderthemes.com$ wc test.html  
682 1875 33998 test.html  
akj@AKJ-PC:~/coderthemes.com$ wc -l test.html  
682 test.html  
akj@AKJ-PC:~/coderthemes.com$ wc -w test.html  
1875 test.html  
akj@AKJ-PC:~/coderthemes.com$ wc -c test.html  
33998 test.html  
akj@AKJ-PC:~/coderthemes.com$ D|
```

Terminal 2: Using `cat` and `cut` commands

```
akj@AKJ-PC:~/coderthemes.com$ ls  
AKJ ajul assets hyper portfolio.html test.html test.txt  
akj@AKJ-PC:~/coderthemes.com$ cat test.txt  
hai  
iam  
akj  
akj@AKJ-PC:~/coderthemes.com$ cut -c2 test.txt  
a  
a  
k  
akj@AKJ-PC:~/coderthemes.com$ |
```

Terminal 3: Using `cat` and `paste` commands

```
akj@AKJ-PC:~/coderthemes.com$ ls  
AKJ ajul assets hyper portfolio.html test.html test.txt test2.txt  
akj@AKJ-PC:~/coderthemes.com$ cat test.txt  
hai  
iam  
akj  
akj@AKJ-PC:~/coderthemes.com$ cat test2.txt  
asdf  
zxcv  
qwer  
akj@AKJ-PC:~/coderthemes.com$ paste test.txt test2.txt  
hai asdf  
iam zxcv  
akj qwer  
akj@AKJ-PC:~/coderthemes.com$ |
```

7. head, tail

```
akj@AKJ-PC: ~/coderthemes. x + v
akj@AKJ-PC:~/coderthemes.com$ cat test.txt
hai
iam
akj
akj@AKJ-PC:~/coderthemes.com$ head -n2 test.txt
hai
iam
akj@AKJ-PC:~/coderthemes.com$ head -n-2 test.txt
hai
akj@AKJ-PC:~/coderthemes.com$ |
```

```
akj@AKJ-PC: ~/coderthemes. x + v
akj@AKJ-PC:~/coderthemes.com$ cat test.txt
hai
iam
akj
akj@AKJ-PC:~/coderthemes.com$ tail -c2 test.txt
j
akj@AKJ-PC:~/coderthemes.com$ tail -c10 test.txt
i
iam
akj
akj@AKJ-PC:~/coderthemes.com$ tail -c3 test.txt
kj
akj@AKJ-PC:~/coderthemes.com$ tail -c4 test.txt
akj
akj@AKJ-PC:~/coderthemes.com$ D|
```