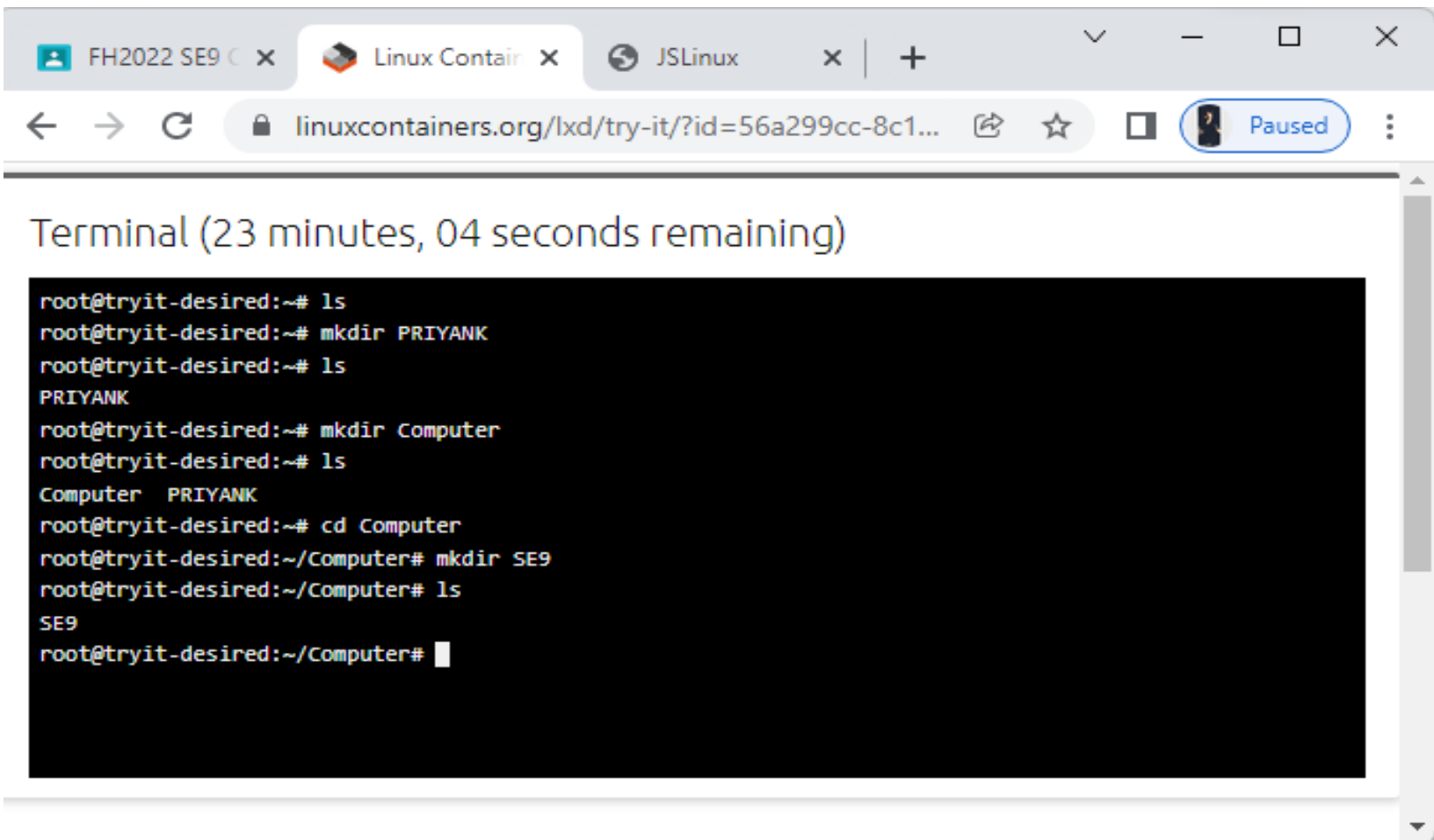


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ROLL NO:-18

DIVISION:-SE-9

EXPERIMENT 1



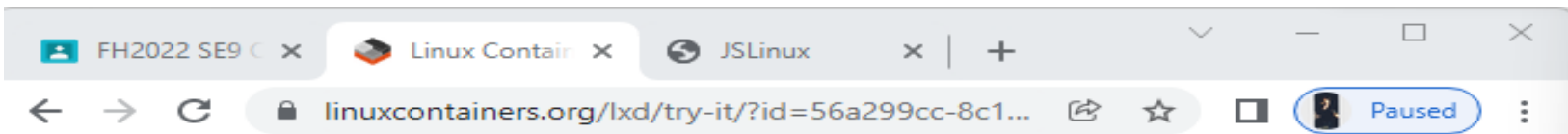
The screenshot shows a web browser window with three tabs: 'FH2022 SE9 C', 'Linux Contain', and 'JSLinux'. The active tab is 'Linux Contain'. The address bar shows the URL 'linuxcontainers.org/lxd/try-it/?id=56a299cc-8c1...'. The page title is 'Paused'. The main content area displays a terminal window titled 'Terminal (23 minutes, 04 seconds remaining)'. The terminal output shows the following commands and their results:

```
root@tryit-desired:~# ls
root@tryit-desired:~# mkdir PRIYANK
root@tryit-desired:~# ls
PRIYANK
root@tryit-desired:~# mkdir Computer
root@tryit-desired:~# ls
Computer  PRIYANK
root@tryit-desired:~# cd Computer
root@tryit-desired:~/Computer# mkdir SE9
root@tryit-desired:~/Computer# ls
SE9
root@tryit-desired:~/Computer#
```

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Terminal (14 minutes, 42 seconds remaining)

```
Computer PRIYANK
root@tryit-desired:~# cd Computer
root@tryit-desired:~/Computer# mkdir SE9
root@tryit-desired:~/Computer# ls
SE9
root@tryit-desired:~/Computer# touch f1
root@tryit-desired:~/Computer# ls
SE9  f1
root@tryit-desired:~/Computer# ls -l
total 0
drwxr-xr-x 1 root root 0 Jan 26 13:23 SE9
-rw-r--r-- 1 root root 0 Jan 26 13:26 f1
root@tryit-desired:~/Computer# ^C
root@tryit-desired:~/Computer# ^C
root@tryit-desired:~/Computer#
```

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```
Welcome to Fedora 33 (riscv64)

[root@localhost ~]# ls
bench.py  hello.c
[root@localhost ~]# mkdir PRIYANK
[root@localhost ~]# ls
bench.py  hello.c  PRIYANK
[root@localhost ~]# mkdir Computer
[root@localhost ~]# ls
bench.py  Computer  hello.c  PRIYANK
[root@localhost ~]# cd Computer
[root@localhost Computer]# mkdir SE9
[root@localhost Computer]# ls
SE9
[root@localhost Computer]# touch f1
[root@localhost Computer]# ls
f1  SE9
[root@localhost Computer]# ls -l
total 4
-rw-r--r-- 1 root root 0 Jan 26 19:19 f1
drwxr-xr-x 2 root root 37 Jan 26 19:19 SE9
[root@localhost Computer]# pwd
/root/Computer
[root@localhost Computer]# chmod 750 f1
[root@localhost Computer]# ls -l
total 4
-rwxr-x--- 1 root root 0 Jan 26 19:19 f1
drwxr-xr-x 2 root root 37 Jan 26 19:19 SE9
[root@localhost Computer]#
```

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Experiment 1



JSLinux



bellard.org/jslinux/vm.html?cpu=riscv64&url=fedora33-riscv.cfg&mem=256

Loading...

Welcome to Fedora 33 (riscv64)

```
[root@localhost ~]# mkdir Computer
```

```
[root@localhost ~]# ls
```

```
bench.py  Computer  hello.c
```

```
[root@localhost ~]# cd Computer
```

```
[root@localhost Computer]# mkdir SE3
```

```
[root@localhost Computer]# mkdir SE4
```

```
[root@localhost Computer]# mkdir SE9
```

```
[root@localhost Computer]# cd SE9
```

```
[root@localhost SE9]# mkdir Priyank
```

```
[root@localhost SE9]# touch f1
```

```
[root@localhost SE9]# touch f2
```

```
[root@localhost SE9]# ls
```

```
f1  f2  Priyank
```

```
[root@localhost SE9]# chmod 750 f1
```

```
[root@localhost SE9]# chmod 753 f2
```

```
[root@localhost SE9]# ls -ls
```

```
total 4
```

```
0 -rwxr-x--- 1 root root 0 Jan 26 19:54 f1
```

```
0 -rwxr-x-wx 1 root root 0 Jan 26 19:54 f2
```

```
4 drwxr-xr-x 2 root root 37 Jan 26 19:54 Priyank
```

```
[root@localhost SE9]#
```



//

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Experiment 1



JSLinux



bellard.org/jslinux/vm.html?cpu=riscv64&url=fedora33-riscv.cfg&mem=256

```
[root@localhost SE9]# cat f3
```

```
how are you?
```

```
[root@localhost SE9]# cat>f3
```

```
hello whats up?
```

```
how are you?
```

```
^C
```

```
[root@localhost SE9]# cat f3
```

```
hello whats up?
```

```
how are you?
```

```
[root@localhost SE9]# cat f
```

```
cat: f: No such file or directory
```

```
[root@localhost SE9]# cat f1
```

```
[root@localhost SE9]# man cat
```

```
CAT(1)
```

User Commands

```
CAT(1)
```

```
NAME
```

```
cat - concatenate files and print on the standard output
```

```
SYNOPSIS
```

```
cat [OPTION]... [FILE]...
```

```
DESCRIPTION
```

```
Concatenate FILE(s) to standard output.
```

```
With no FILE, or when FILE is -, read standard input.
```

```
-A, --show-all
```

```
equivalent to -vET
```

```
-b, --number-nonblank
```



//

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Experiment 1

JSLinux

bellard.org/jslinux/vm.html?cpu=riscv64&url=fedora33-riscv.cfg&mem=256

number nonempty output lines, overrides -n

-e equivalent to -vE

-E, --show-ends
display \$ at end of each line

-n, --number
number all output lines

-s, --squeeze-blank
suppress repeated empty output lines

[root@localhost SE9]#

[root@localhost SE9]# man ls

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.



//

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Experiment 1

x

JSLinux

x

+

bellard.org/jslinux/vm.html?cpu=riscv64&url=fedora33-riscv.cfg&mem=256

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

```
[root@localhost SE9]# ls
```

```
f1 f2 f3
```

```
[root@localhost SE9]# ls -l
```

```
total 4
```

```
-rwxr-x--- 1 root root 0 Jan 26 19:54 f1
```

```
-rwxr-x-wx 1 root root 0 Jan 26 19:54 f2
```

```
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
```

```
[root@localhost SE9]# cat f3
```

```
hello whats up?
```



//

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with -l, print the author of each file

-b, --escape

print C-style escapes for nongraphic characters

--block-size=SIZE

```
[root@localhost SE9]# ls
```

```
f1 f2 f3
```

```
[root@localhost SE9]# ls -l
```

```
total 4
```

```
-rwxr-x--- 1 root root 0 Jan 26 19:54 f1
```

```
-rwxr-x-wx 1 root root 0 Jan 26 19:54 f2
```

```
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
```

```
[root@localhost SE9]# cat f3
```

```
hello whats up?
```

```
how are you?
```

```
[root@localhost SE9]# cat >f2
```

```
Computer h
```

```
^C
```

```
[root@localhost SE9]# cp f2 f1
```

```
[root@localhost SE9]# ls -l
```

```
total 12
```

```
-rwxr-x--- 1 root root 11 Jan 26 20:12 f1
```

```
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
```

```
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
```

```
[root@localhost SE9]# cat f1
```

```
Computer h
```

```
[root@localhost SE9]# cat f2
```

```
Computer h
```

```
[root@localhost SE9]#
```



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Linux Material

JSLinux

bellard.org/jslinux/vm.html?cpu=riscv64&url=fedora33-riscv.cfg&mem=256

```
[root@localhost SE9]# cat f2
Computer h
[root@localhost SE9]# cp f3 f1
[root@localhost SE9]# cat f1
hello whats up?
how are you?
[root@localhost SE9]# cat f3
hello whats up?
how are you?
[root@localhost SE9]# ls
f1 f2 f3
[root@localhost SE9]# ls -l
total 12
-rwxr-x--- 1 root root 29 Jan 26 21:01 f1
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
[root@localhost SE9]# mv f1 f4
[root@localhost SE9]# ls -l
total 12
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
-rwxr-x--- 1 root root 29 Jan 26 21:01 f4
[root@localhost SE9]# cat f4
hello whats up?
how are you?
[root@localhost SE9]# ln f4 f1
[root@localhost SE9]# ls -l
total 16
-rwxr-x--- 2 root root 29 Jan 26 21:01 f1
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
```



//

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```
[root@localhost SE9]# ls
f1 f2 f3
[root@localhost SE9]# ls -l
total 12
-rwxr-x--- 1 root root 29 Jan 26 21:01 f1
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
[root@localhost SE9]# mv f1 f4
[root@localhost SE9]# ls -l
total 12
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
-rwxr-x--- 1 root root 29 Jan 26 21:01 f4
[root@localhost SE9]# cat f4
hello whats up?
how are you?
[root@localhost SE9]# ln f4 f1
[root@localhost SE9]# ls -l
total 16
-rwxr-x--- 2 root root 29 Jan 26 21:01 f1
-rwxr-x-wx 1 root root 11 Jan 26 20:12 f2
-rw-r--r-- 1 root root 29 Jan 26 20:07 f3
-rwxr-x--- 2 root root 29 Jan 26 21:01 f4
[root@localhost SE9]# cat f4
hello whats up?
how are you?
[root@localhost SE9]# cat f1
hello whats up?
how are you?
[root@localhost SE9]#
```

