

NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No.: 5****Aim**

Familiarization of the Linux commands.

Procedure**1. cut -d ' ' -f2**

This command in Linux allows you to select the second part of the content that split by ' ' delimiter.

Syntax:- \$ cut -d ' ' -f2 filename.txt

Output:-

```
jobin@jobin-VirtualBox:~$ cat >demo.txt
malayalam 49
english 67
physics 69^C
jobin@jobin-VirtualBox:~$ cut -d ' ' -f2 demo.txt
49
67
jobin@jobin-VirtualBox:~$
```

2. cut -b 2

This command in Linux allows to select only these bytes.

Syntax:- \$ cut -b 2 filename

Output:-

```
jobin@jobin-VirtualBox:~$ cut -b 2 demo.txt
a
n
jobin@jobin-VirtualBox:~$
```

3. cut -complement

This command helps to exclude given bytes.

Syntax:- \$ cut -complement -c 1 filename

Output:-

```
jobin@jobin-VirtualBox:~$ cut --complement -c 1 demo.txt
a
l
a
y
a
l
a
m
 4
9
n
g
l
i
s
h
 6
7
jobin@jobin-VirtualBox:~$
```

4. paste

This command helps to paste contents to other file

Syntax:- \$ paste filename > filename2

Output:-

```
jobin@jobin-VirtualBox:~$ paste demo.txt > test1.txt
jobin@jobin-VirtualBox:~$ cat test1.txt
malayalam 49
english 67
```

5. paste a b > c

This command helps to paste from multiple files.

Syntax:- \$ paste file1 file2 > file3

Output:-

```
jobin@jobin-VirtualBox:~$ cat > demo1.txt
python
java
ruby
html
css
^C
jobin@jobin-VirtualBox:~$ cat > demo2.txt
kali linux
ubuntu
solarlist
centos
min
mint
^C
jobin@jobin-VirtualBox:~$ paste demo1.txt demo2.txt > demo3.txt
jobin@jobin-VirtualBox:~$ cat demo3.txt
python kali linux
java ubuntu
ruby solarlist
html centos
css min
mint
```

6. paste -d ‘ ‘

This command helps to paste contents with ‘ ‘ delimiter.

Syntax:- \$ paste -d ‘ ‘ file1 file 2 > file3

Output:-

```

jobin@jobin-VirtualBox:~$ paste -d ' ' demo1.txt demo2.txt >demo3.txt
jobin@jobin-VirtualBox:~$ cat demo3.txt
python kali linux
java ubuntu
ruby solarlist
html centos
css min
mint

```

7. paste -d '-'

This command helps to contents from multiple files with '-' delimiter.

Syntax:- \$ paste -d '-' file1 file2 > file3

Output:-

```

jobin@jobin-VirtualBox:~$ paste -d '-' demo1.txt demo2.txt >demo3.txt
jobin@jobin-VirtualBox:~$ cat demo3.txt
python-kali linux
java-ubuntu
ruby-solarlist
html-centos
css-min
-mint

```

8. paste -s

This command helps to paste on file at a time instead of in parallel.

Syntax:- \$ paste -s file1 file2 > file3.

Output:-

```

jobin@jobin-VirtualBox:~$ paste -s demo1.txt demo2.txt >demo3.txt
jobin@jobin-VirtualBox:~$ cat demo3.txt
python java      ruby      html      css
kali linux      ubuntu  solarlist      centos  min      mint

```

9. more

More command is used to view the text files in the command prompt, displaying one screen at a time in case the file is large.

Syntax:- \$ more filename.

Output:-

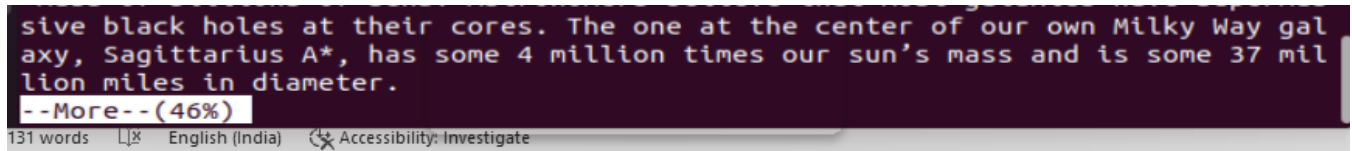
```

jobin@jobin-VirtualBox:~$ more more.txt
From theory to reality

In his general theory of relativity from 1915, Albert Einstein was the first to
suggest that our universe contains such strange, dense, massive objects. Black
A big blue star's substance funneling toward an orange accretion disk surroundi
ng a black hole.
Artist's concept of Cygnus X-1. Astronomers believe Cygnus X-1 is a typical ste
llar black hole in a binary star system. Cygnus X-1 was once a star before coll
--More-- (22%)

```

SPACE Key is act as a NEXT button.

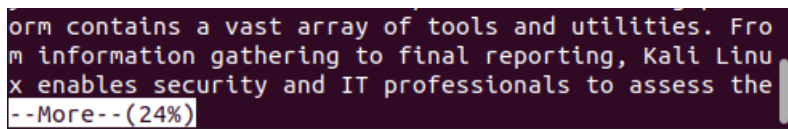


sive black holes at their cores. The one at the center of our own Milky Way galaxy, Sagittarius A*, has some 4 million times our sun's mass and is some 37 million miles in diameter.

--More-- (46%)

131 words English (India) Accessibility: Investigate

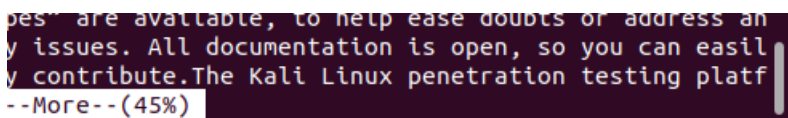
B Key act as a PREVIOUS button.



orm contains a vast array of tools and utilities. From information gathering to final reporting, Kali Linux enables security and IT professionals to assess the

--More-- (24%)

ENTER key is used to view line by line.



ses are available, to help ease doubts or address any issues. All documentation is open, so you can easily contribute. The Kali Linux penetration testing platform

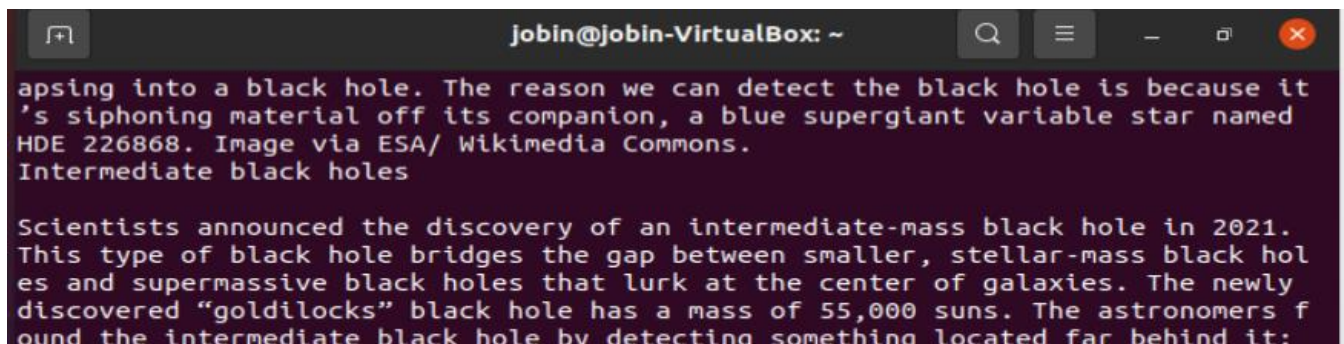
--More-- (45%)

10. more -s

This command is used to squeeze multiple blank lines into one.

Syntax:- \$ more -s filename.

Output:-



apsing into a black hole. The reason we can detect the black hole is because it's siphoning material off its companion, a blue supergiant variable star named HDE 226868. Image via ESA/ Wikimedia Commons.

Intermediate black holes

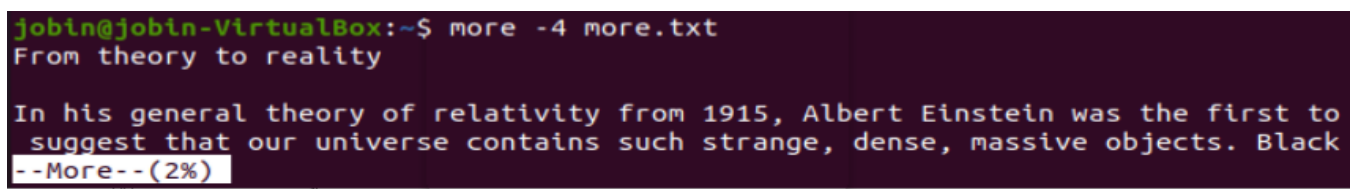
Scientists announced the discovery of an intermediate-mass black hole in 2021. This type of black hole bridges the gap between smaller, stellar-mass black holes and supermassive black holes that lurk at the center of galaxies. The newly discovered "goldilocks" black hole has a mass of 55,000 suns. The astronomers found the intermediate black hole by detecting something located far behind it:

11. more -(no.)

This command helps to view content based on specified number of lines.

Syntax:- \$ more -4 filename.

Output:-



jobin@jobin-VirtualBox:~\$ more -4 more.txt

From theory to reality

In his general theory of relativity from 1915, Albert Einstein was the first to suggest that our universe contains such strange, dense, massive objects. Black

--More-- (2%)