

## **Title: Linux Command List Assessment**

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### **Instructions:-**

The following assessment aims to test your understanding and practical knowledge of various Linux commands. Perform the tasks given below using the appropriate commands. Write down the command(s) used to complete each task. You can use any Linux distribution or command-line interface of your choice. Ensure that you provide the correct output or results for each task.

Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

### **File and Directory Operations:**

ls: List files and directories

cd: Change directory

pwd: Print working directory

mkdir: Make directory

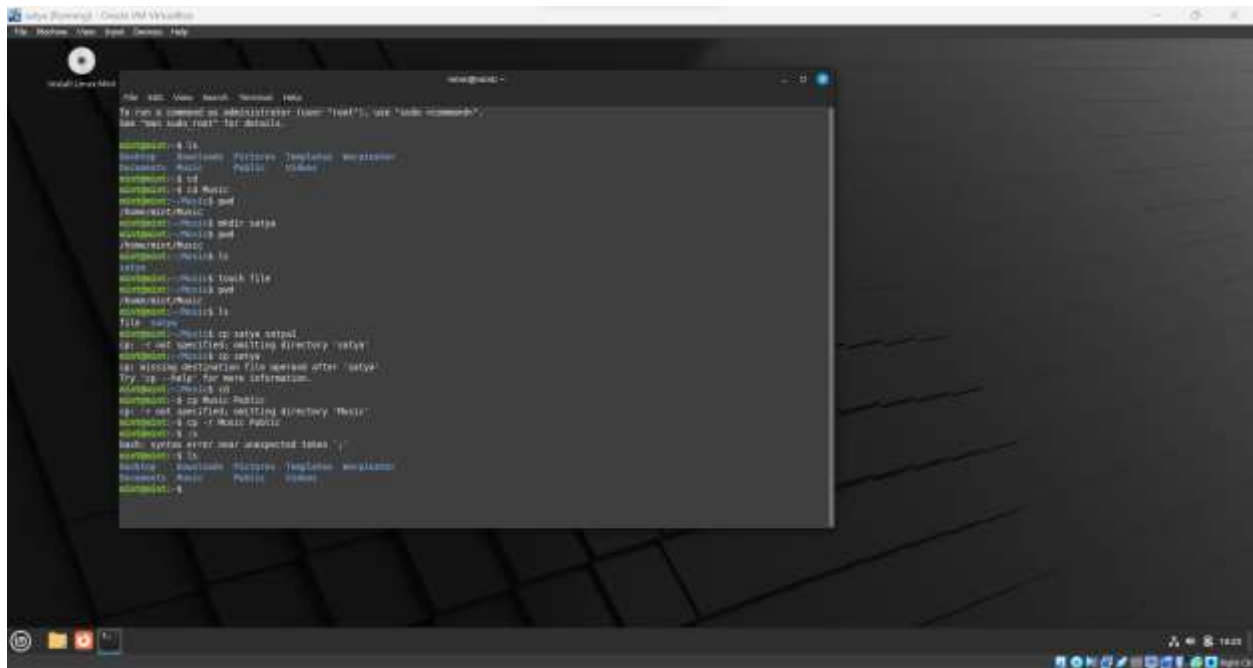
touch: Create an empty file

cp: Copy files and directories

mv: Move or rename files and directories

rm: Remove files and directories

find: Search for files and directories



## File Viewing and Editing:

cat: Concatenate and display file content



less: View file content with pagination

head: Display the beginning of a file

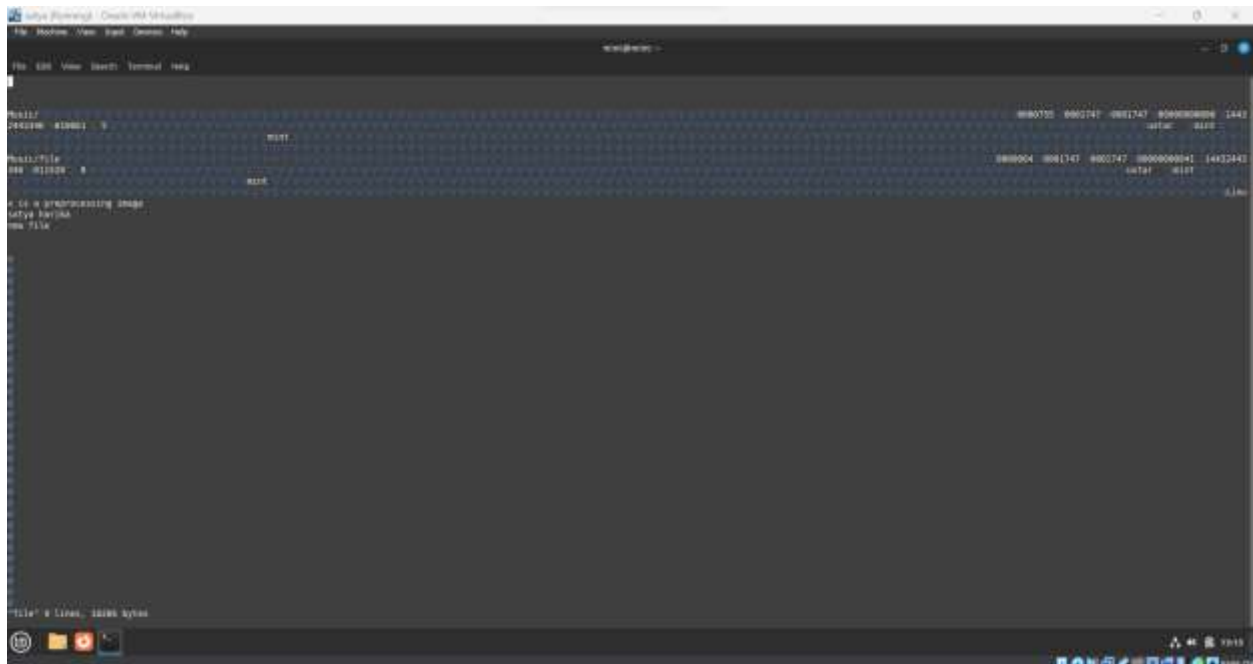
tail: Display the end of a file



nano: Text editor for creating and editing files



vi/vim: Powerful text editor for experienced users



## File Permissions:

chmod: Change file permissions

chown: Change file owner

chgrp: Change file group



## File Compression and Archiving:

tar: Archive files

gzip: Compress files

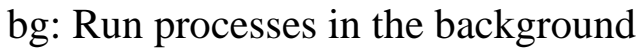
## unzip: Extract files from a ZIP archive

[illegible]

## Process Management:

ps: List running processes















## System Administration:

**sudo:** Execute commands with superuser privileges

## apt-get: Package management for Debian-based distributions

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sudo apt-get install openssh server ii
```

[illegible]

## yum: Package management for Red Hat-based distributions

systemctl: Manage system services

[illegible]

[illegible]

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kali@kali: ~$ sudo apt-get install apache2-utils
Reading package lists... Done
Building dependency tree
Done
The following additional packages will be installed:
  libapr1.0 util-linux
Suggested packages:
  libapr-util1.0 util-linux-doc
The following NEW packages will be installed:
  apache2-utils libapr1.0 util-linux
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 167 kB of archives.
After this operation, 489 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://mirrors.aliyun.com/ubuntu/pool/main/u/util-linux/libutil-linux1_2.33-1ubuntu1_amd64.deb [55.4 kB]
Get:2 http://mirrors.aliyun.com/ubuntu/pool/main/a/apache2-utils/apache2-utils_2.4.18-6ubuntu1_amd64.deb [50.8 kB]
Get:3 http://mirrors.aliyun.com/ubuntu/pool/main/a/apache2-utils/libapr1.0_1.5.2-4ubuntu1_amd64.deb [60.8 kB]
Fetched 167 kB in 1s (140 kB/s)
(Reading database ... 1229 files and directories currently installed.)
Preparing to unpack .../libutil-linux1_2.33-1ubuntu1_amd64.deb ...
Unpacking libutil-linux1_2.33-1ubuntu1_amd64.deb ...
Selecting previously unselected package apache2-utils.
(Reading database ... 1229 files and directories currently installed.)
Preparing to unpack .../apache2-utils_2.4.18-6ubuntu1_amd64.deb ...
Unpacking apache2-utils_2.4.18-6ubuntu1_amd64.deb ...
Selecting previously unselected package libapr1.0.
Preparing to unpack .../libapr1.0_1.5.2-4ubuntu1_amd64.deb ...
Unpacking libapr1.0_1.5.2-4ubuntu1_amd64.deb ...
Setting up libutil-linux1:amd64 (2.33-1ubuntu1) ...
Setting up apache2-utils (2.4.18-6ubuntu1) ...
Setting up libapr1.0 (1.5.2-4ubuntu1) ...
Processing triggers for libc-bin (2.27-0ubuntu1) ...

```



Ensure that you provide the correct command(s) used to accomplish each task. Write your answers below each task.

Once you have completed the assessment, review your answers and verify that the output or results are correct.

Make this in doucement format and send them with images