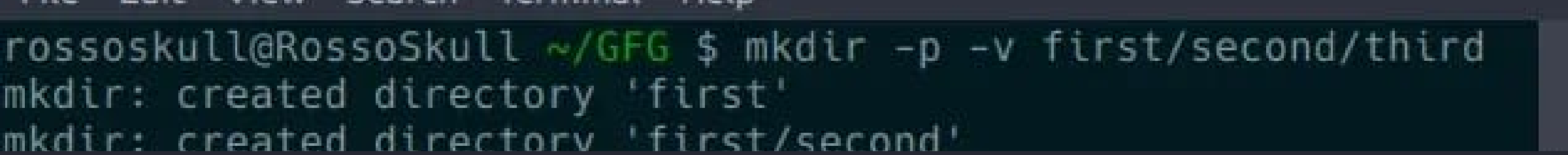
File Handling Utilities in Linux

Welcome to the world of file handling utilities in Linux! In this presentation, we'll explore some powerful commands that allow you to effectively manage your files and directories. Let's dive in and discover the syntax and semantics of these utilities.

by Sai Kiran



mkdir

The `mkdir` command is used to create a new directory within your file system. To create a directory, simply use the following syntax:

> `mkdir directory_name`

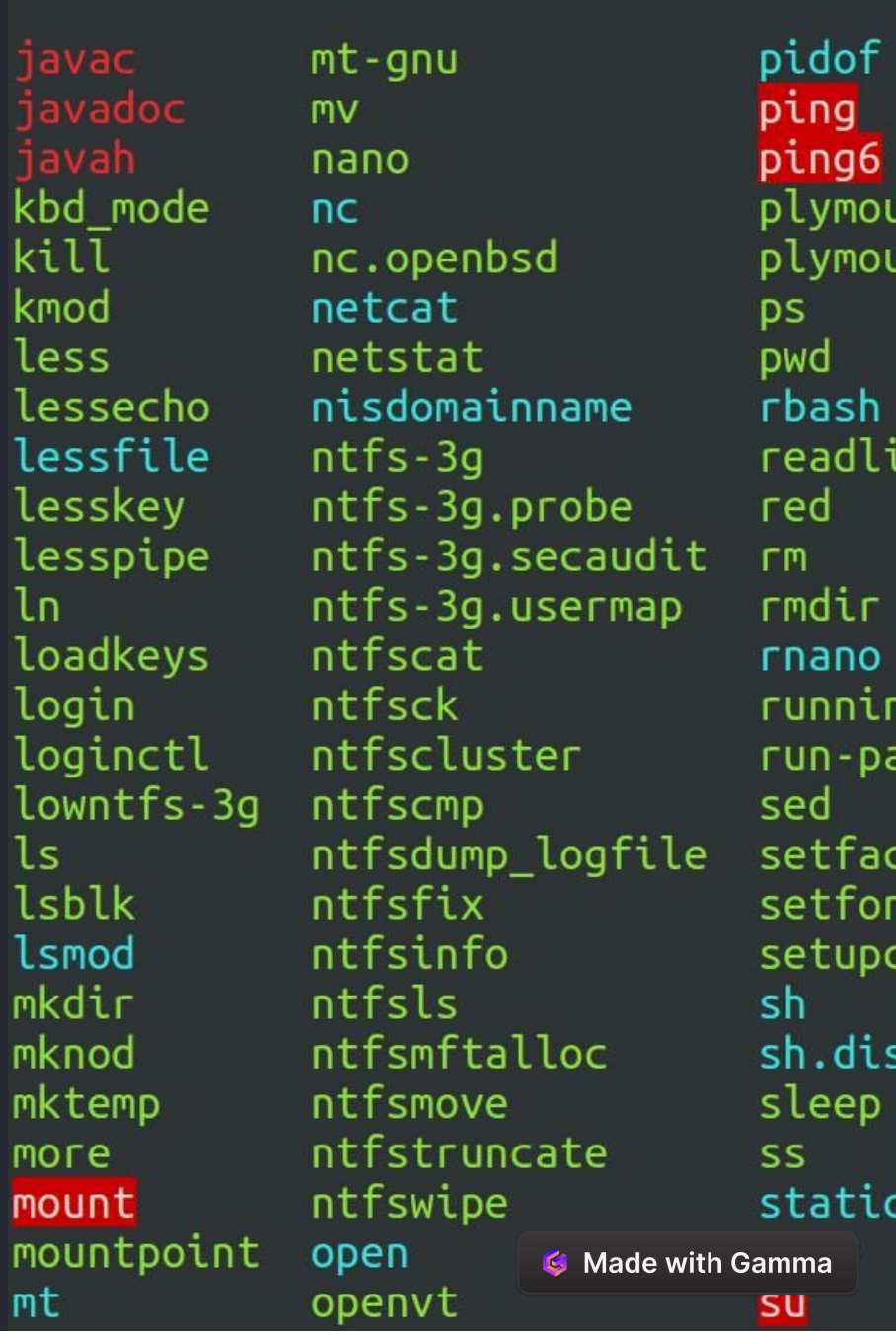
This command will create a new directory with the specified `directory_name`.

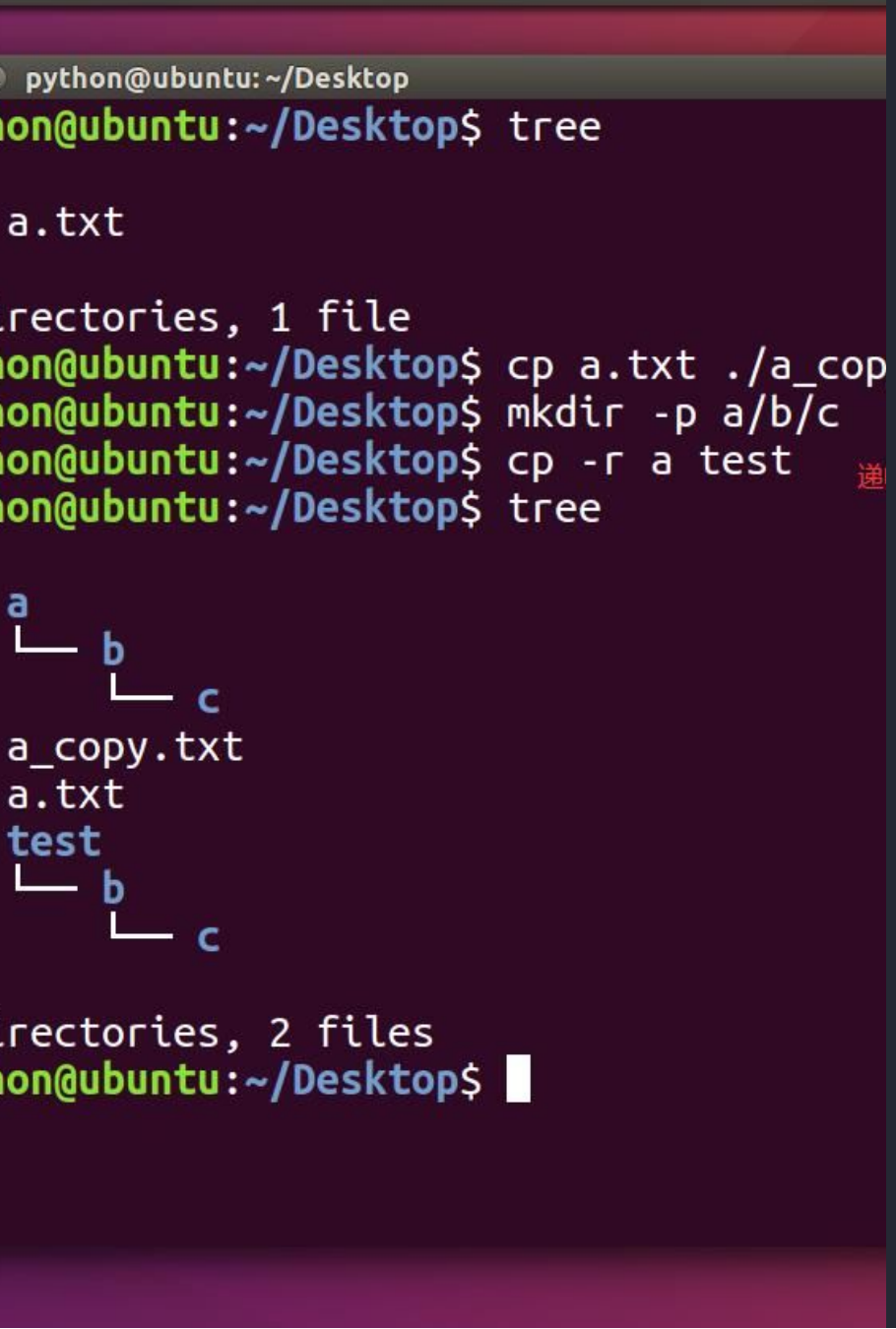
rmdir

The `rmdir` command allows you to remove an empty directory from your file system. To delete a directory, use the following syntax:

```
rmdir directory_name
```

This command will remove the specified `directory_name` if it is empty.





cp

The `cp` command is used to copy files from one location to another. To copy a file, use the following syntax:

> `cp source_file target_file`

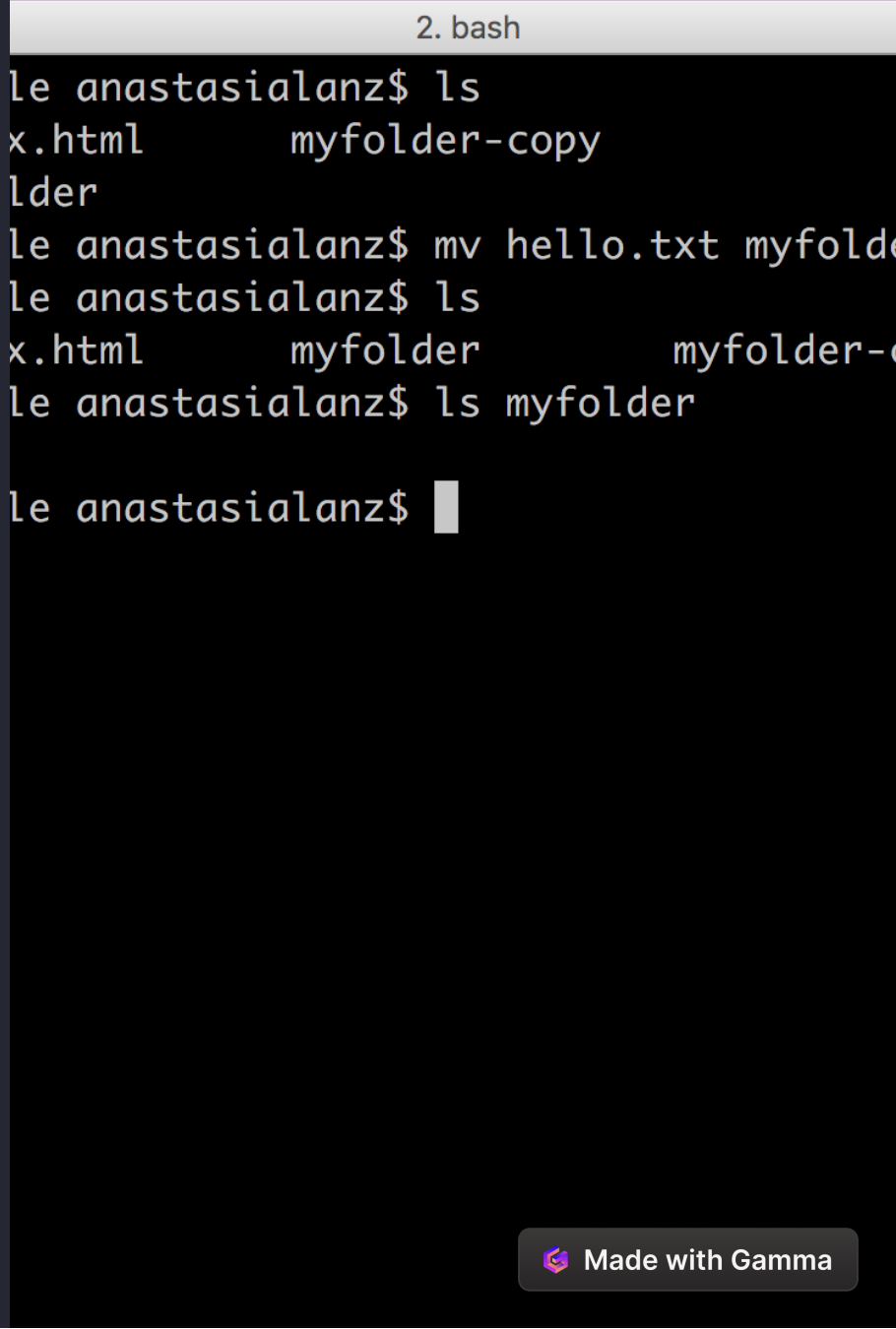
This command will create a copy of the `source_file` and save it as the `target_file`.

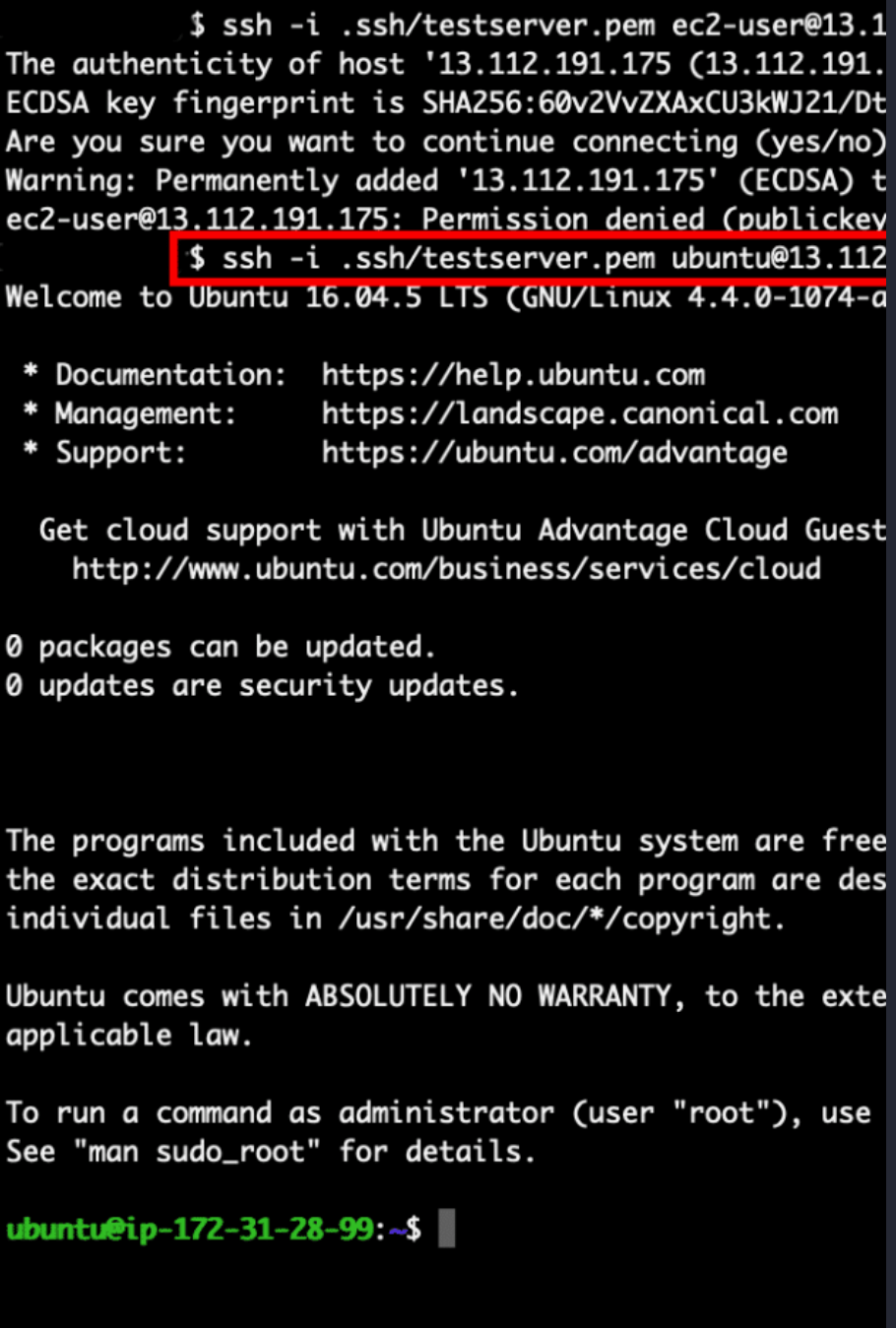
mv

The `mv` command allows you to move files from one location to another. To move a file, use the following syntax:

> `mv source_file target_file`

This command will move the `source_file` to the specified `target_file` destination.



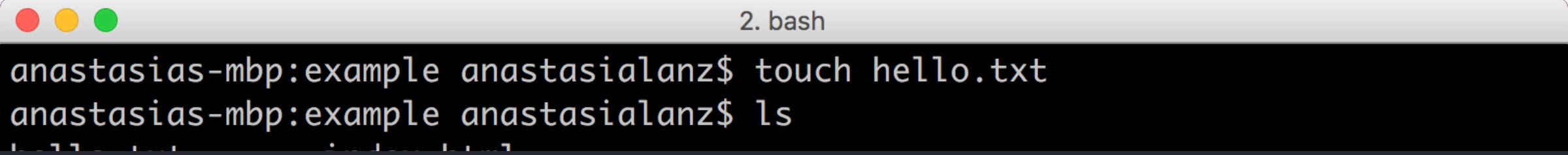


rm

The `rm` command is used to permanently delete files from your file system. To remove a file, use the following syntax:

```
rm file_name
```

This command will irreversibly delete the specified `file_name`.



touch

The `touch` command allows you to create an empty file. To create a file, use the following syntax:

> `touch file_name`

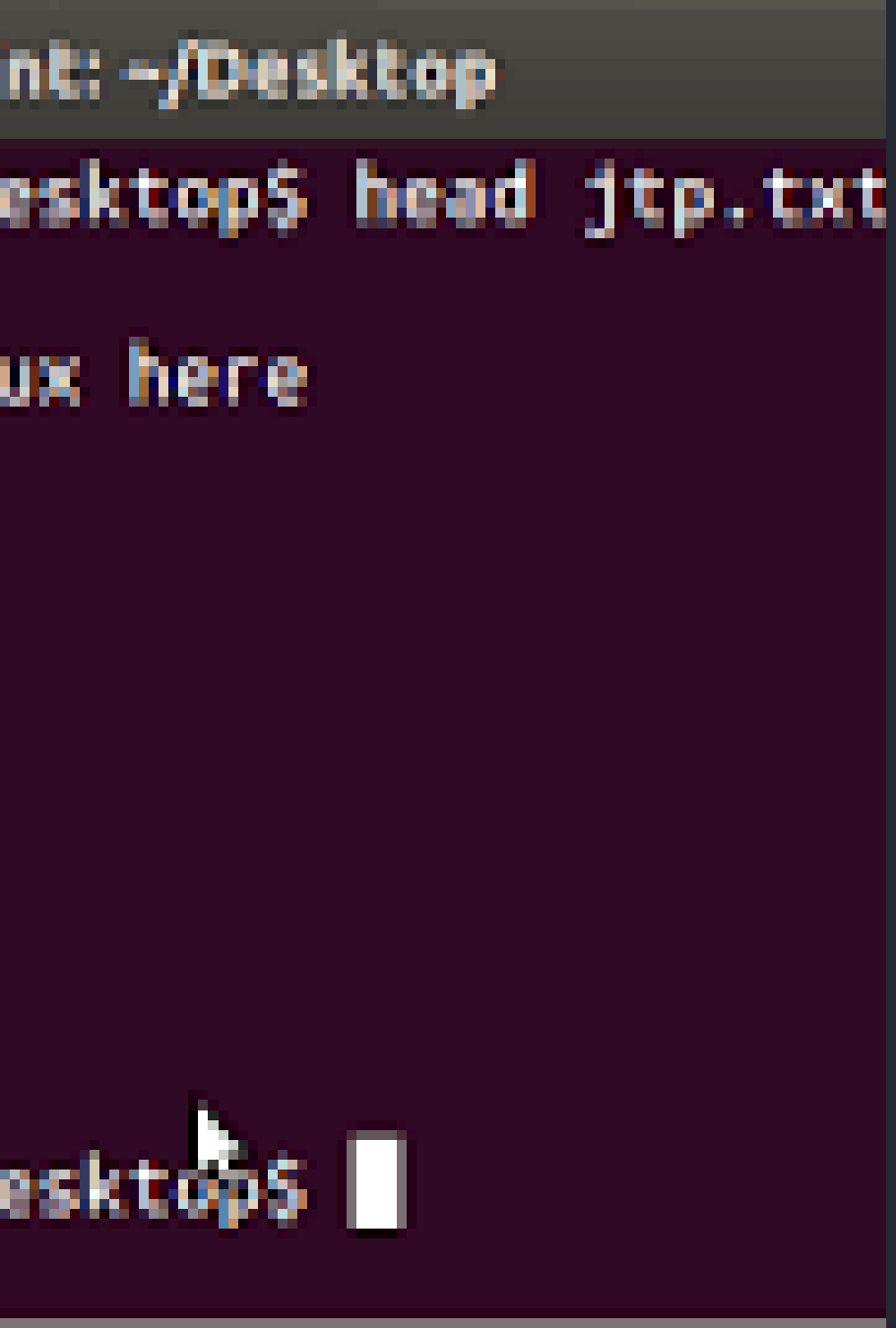
This command will create a new, empty file with the specified `file_name`.

cat

The `cat` command is used to display the contents of a file. To view a file's contents, use the following syntax:

> `cat file_name`

This command will output the entire contents of the specified `file_name`.



head

The `head` command displays the first few lines of a file. To view the beginning of a file, use the following syntax:

```
head file_name
```

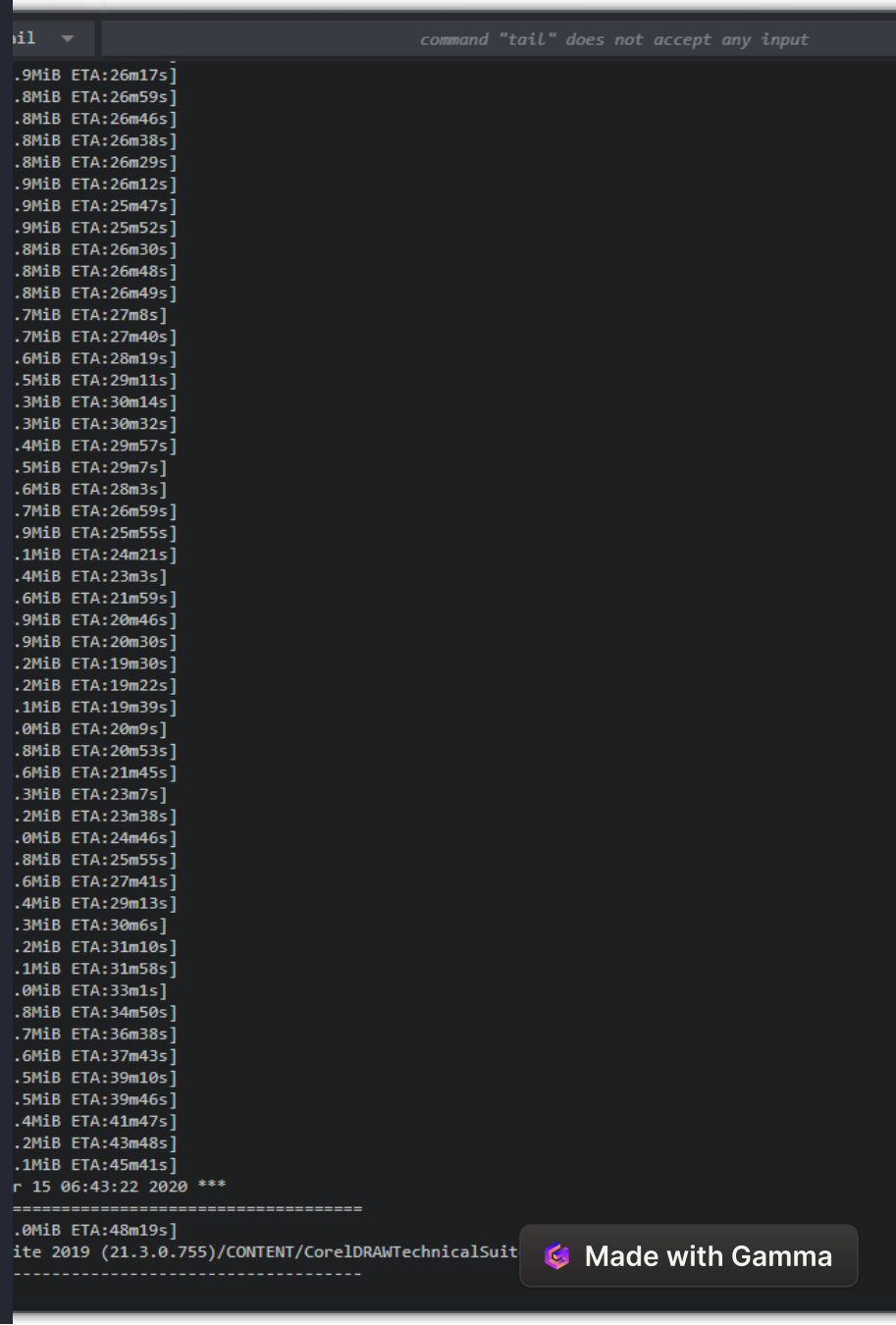
This command will display the first few lines of the specified `file_name`.

tail

The `tail` command displays the last few lines of a file. To view the end of a file, use the following syntax:

> `tail file_name`

This command will display the last few lines of the specified `file_name`.



grep

The `grep` command allows you to search for specific patterns within a file. To search for a pattern, use the following syntax:

> `grep pattern file_name`

This command will search the specified `file_name` for the `pattern` and display the lines that contain the pattern.

find

The find command enables you to search for files within a specific directory or path. To find files, use the following syntax:

> find path -name pattern

This command will search the specified path for files that match the specified pattern.

```
# yum install sysfsutils
Setting up Install Process
epel/metalink
epel
epel/primary_db
rsawaroha
server
Resolving Dependencies
--> Running transaction check
---> Package sysfsutils.x86_64 0:2.1.0-7.el6 will be installed
--> Processing Dependency: libsysfs.so.2()(64bit) for package: sysfs
--> Running transaction check
---> Package libsysfs.x86_64 0:2.1.0-7.el6 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                                 Arch
================================================================================
Installing:
 sysfsutils                              x86_64
Installing for dependencies:
 libsysfs                                x86_64

Transaction Summary
================================================================================
Install       2 Package(s)

Total download size: 82 k
Installed size: 256 k
Is this ok [y/N]: y
Downloading Packages:
--------------------------------------------------------------------------------
Total
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing : libsysfs-2.1.0-7.el6.x86_64
  Installing : sysfsutils-2.1.0-7.el6.x86_64
  Verifying  : sysfsutils-2.1.0-7.el6.x86_64
  Verifying  : libsysfs-2.1.0-7.el6.x86_64

Installed:
  sysfsutils.x86_64 0:2.1.0-7.el6

Dependency Installed:
  libsysfs.x86_64 0:2.1.0-7.el6

Complete!
```