before class

1. trouble-shooting:

- [man does not work in gitbash](#)

2. Teaching materials will go upload to 4S platform
3. ? the class study representative and class monitor

Topics

- file permission
- find, search
- pipeline for multiple commands
-

1. chmod:
   Description: The chmod command is used to change the permissions of a file or directory in Linux. It allows you to specify who can read, write, or execute a file.
   Usage: chmod [options] mode file
   Example: chmod +x [script.sh](#)

2. chown:
   Description: The chown command is used to change the owner and group of a file or directory in Linux.
   Usage: chown [options] owner:group file
   Example: chown user:group file.txt

3. locate:
   Description: The locate command is used to quickly find the location of a file or directory on the system.
   Usage: locate [options] filename
   Example: locate myfile.txt

4. find:
   Description: The find command is used to search for files and directories in a

directory hierarchy based on various criteria.

Usage: find [path] [options] [expression]

Example: find /home/user -name "*.txt"

5. vim:

Description: The vim command is a text editor in Linux that is used to create and edit text files.

Usage: vim [options] filename

Example: vim file.txt

6. sort:

Description: The sort command is used to sort the lines of a text file in ascending or descending order.

Usage: sort [options] filename

Example: sort -r file.txt

7. ping:

Description: The ping command is used to test the reachability of a host on a network by sending ICMP echo request packets.

Usage: ping [options] host

Example: ping google.com

8. history:

Description: The history command is used to display a list of previously executed commands in the terminal.

Usage: history [options]

Example: history

9. alias:

Description: The alias command is used to create a custom shortcut for a command or a series of commands in Linux.

Usage: alias [name]='command'

Example: alias ll='ls -l'

tips and tricks

1. terminal shortcuts

2. move to the begining: Control + A

3. move to the end : control E

4. remove sth, like say after the cursor: control K,

5. autocomplete: tab

6. scroll through various commands: using up and down key

7. run the previous command : exclamation (history)

8. control R : search commands

9. multiple commands in a single line, use colon ;