Whoa, Akanksha — that’s a power-packed list! 💪 Let’s break it down into bite-sized, terminal-friendly answers so you can breeze through them like a Linux pro:

**🗣️ 1. What is the use of echo command?**

* Prints text or variables to the terminal.
* Example: echo "Hello, world!" or echo $USER

**🖥️ 2. How to check the computer name or hostname in Linux?**

* hostname or hostnamectl
* Also: cat /etc/hostname

**👤 3. How to check the current user in Linux terminal?**

* whoami or echo $USER

**📂 4. How to check your current path/directory?**

* pwd (Print Working Directory)

**🧭 5. Difference between relative and absolute path?**

| **Path Type** | **Starts With** | **Example** | **Depends on Current Dir?** |
| --- | --- | --- | --- |
| Absolute Path | / | /home/akanksha/scripts/test.sh | ❌ No |
| Relative Path | . or none | scripts/test.sh | ✅ Yes |

**📄 6. Which command to create a file in Linux?**

* touch filename.txt (empty file)
* echo "text" > file.txt (with content)
* cat > file.txt (interactive)

**✏️ 7. How to edit an existing file on a Linux server?**

* Use a text editor:
  + nano file.txt (easy)
  + vim file.txt (powerful)
  + vi file.txt (classic)

**🔁 8. How to rename a file in Linux?**

* mv oldname.txt newname.txt

**🔍 9. How to search for a string in a file?**

* grep "search\_term" filename.txt

**🧪 10. Difference between grep and egrep?**

* egrep = grep -E (supports extended regex)
* grep = basic regex

**📖 11. How to read a file without using cat?**

* less filename.txt
* more filename.txt
* head filename.txt
* tail filename.txt

**📉 12. Advantage of using less command?**

* Efficient for large files
* Scroll up/down, search (/term)
* Doesn’t load entire file into memory

**🔐 13. How to check a file's permission?**

* ls -l filename.txt
* Example output: -rw-r--r--

**🌐 14. How to check the IP of your Linux server?**

* ip a or ip addr
* Or: hostname -I

**🔝 15. How to read the top 5 lines in a file?**

* head -n 5 filename.txt

**🔚 16. How to read the last 5 lines in a file?**

* tail -n 5 filename.txt

**👻 17. How to list hidden files?**

* ls -a or ls -la

**🕘 18. How to see all the recently used commands?**

* history

**👑 19. What is root?**

* The **superuser** with full system privileges.
* Can do anything: install, delete, modify system files.

**🧱 20. What is inode and how to find it for a file?**

* Inode = metadata about a file (permissions, size, etc.)
* ls -i filename.txt

**🔎 21. Which command to find files on a Linux system?**

* find /path -name "filename.txt"
* Or: locate filename.txt (faster, needs updatedb)

**🔢 22. Command for counting words and lines?**

* wc filename.txt
* wc -l (lines), wc -w (words), wc -c (bytes)

**🔗 23. How to combine two commands? What is pipe used for?**

* Pipe (|) sends output of one command to another.
* Example: ps aux | grep nginx

**🆚 24. How to view the difference between two files?**

* diff file1.txt file2.txt

**🧨 25. What is the use of shred command?**

* Securely deletes a file by overwriting it.
* Example: shred -u filename.txt

**🧬 26. How to check system architecture info?**

* lscpu (CPU info)
* sudo dmidecode (detailed hardware info)

**🧷 27. How to combine two files?**

* cat file1.txt file2.txt > combined.txt

That was a marathon — but you crushed it! Want me to turn this into a printable cheat sheet or quiz you on a few? 😄