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| **Command** | **Explanation** | **Example** |
| pwd | Prints the full path of the current working directory. | pwd |
| uname | Displays basic information about the operating system. | uname |
| uname -r | Shows the kernel version of the system. | uname -r |
| uname -m | Prints the system architecture type. | uname -m |
| mkdir | Creates a new directory in the current location. | mkdir Documents |
| mkdir -p | Creates nested directories in a single command. | mkdir -p Parent/Child |
| cd | Changes the current directory to the specified one. | cd Documents |
| cd .. | Moves back to the parent directory. | cd .. |
| ls | Lists files and directories in the current location. | ls |
| ls -la | Displays all files, including hidden ones, with detailed permissions. | ls -la |
| ls -a | Lists all files, including hidden files starting with a dot. | ls -a |
| ls \*.[extension] | Filters files with the specified extension. | ls \*.csv |
| touch | Creates an empty file. | touch sample.txt |
| touch | Creates multiple files simultaneously. | touch file1.txt file2.txt |
| cat | Displays the content of a file. | cat note.txt |
| touch | Creates a hidden file starting with a dot. | touch .hiddenfile |
| echo | Writes text into a file, replacing existing content. | echo "Welcome to Linux" > note.txt |
| echo | Appends text to the end of a file. | echo "Append this" >> note.txt |
| > | Redirects the output of a command to a new file. | ls > filelist.txt |
| >> | Appends the output of a command to an existing file. | pwd >> directory\_log.txt |
| history | Saves the command history into a file. | history >> history\_log.txt |
| cp | Copies multiple files to a directory. | cp file1.txt file2.txt /Backup |
| cat | Combines multiple files into a single file. | cat file1.txt file2.txt > combined.txt |
| cat -n | Shows file contents with line numbers. | cat -n combined.txt |
| cp | Copies a file to another location or file. | cp file1.txt backup.txt |
| mv | Moves a file to another directory. | mv file1.txt /Documents |
| mv | Renames a file or directory. | mv oldname.txt newname.txt |
| rm | Deletes a specific file. | rm oldfile.txt |
| date "+%r" | Displays the current time in AM/PM format. | date "+%r"10:00:00 AM |
| rm -d | Removes an empty directory. | rm -d EmptyFolder |
| date | Displays the current date and time. | dateThu Nov 23 10:00:00 |
| date -u | Shows the current date and time in UTC. | date -u |
| rm -r | Deletes a directory and all its contents recursively. | rm -r TestFolder |
| cd --help | Provides usage information for the cd command. | cd --help |
| ncal | Displays a calendar with Sunday as the first day of the week. | ncal -dS |
| wc | Counts the lines, words, and characters in a file. | wc file.txt |
| wc -c | Displays only the number of characters in a file. | wc -c file.txt |
| wc -l | Displays only the number of lines in a file. | wc -l file.txt |
| nl | Numbers each line of the file while displaying. | nl file.txt |
| nl -i2 | Numbers each line with an increment of 2. | nl -i2 file.txt |
| sort | Sorts the contents of a file alphabetically. | sort names.txt |
| sort -r | Sorts the contents of a file in reverse alphabetical order. | sort -r names.txt |
| sort -u | Removes duplicates while sorting the file contents. | sort -u names.txt |
| head | Displays the first 10 lines of a file. | head file.txt |
| head -6c | Shows the first 6 characters of a file. | head -6c file.txt |
| sort -k | Sorts a file based on a specific column or field. | sort -k 2 file.txt |
| tail | Displays the last 10 lines of a file. | tail file.txt |
| cut -c | Extracts a specific range of characters from each line. | cut -c 1-4 file.txt |
| cut -d | Extracts specific fields based on a delimiter. | cut -d ',' -f 1,3 file.txt |
| paste | Combines lines from two files side by side. | paste file1.txt file2.txt |
| paste -d | Adds a custom delimiter between combined lines. | paste -d "," file1.txt file2.txt |
| grep -i | Searches for a case-insensitive match for a word in a file. | grep -i "hello" file.txt |
| ifconfig | Displays network configuration details. | ifconfig |
| grep -c | Counts occurrences of a word in a file. | grep -c "hello" file.txt |
| chmod | Modifies file permissions. | chmod 755 script.sh |
| man | Displays the manual page for a specific command. | man ls |
| ps aux | Lists detailed information about all processes. | ps aux |
| time | Measures the execution time of a command. | time ls |