

# File and Directory Operations Commands

Command	Description	Options	Examples
<a href="#">ls</a>	List files and directories.	<ul style="list-style-type: none"><li>• <b>-l</b>: Long format listing.</li><li>• <b>-a</b>: Include hidden files hidden ones</li><li>• <b>-h</b>: Human-readable file sizes.</li></ul>	<ul style="list-style-type: none"><li>• <b>ls -l</b> displays files and directories with detailed information.</li><li>• <b>ls -a</b> shows all files and directories, including</li><li>• <b>ls -lh</b> displays file sizes in a human-readable format.</li></ul>
<a href="#">cd</a>	Change directory.		<ul style="list-style-type: none"><li>• <b>cd /path/to/directory</b> changes the current directory to the specified path.</li></ul>

<a href="#">pwd</a>	Print current working directory.		<ul style="list-style-type: none"> <li>• <b>pwd</b> displays the current working directory.</li> </ul>
<a href="#">mkdir</a>	Create a new directory.		<ul style="list-style-type: none"> <li>• <b>mkdir my_directory</b> creates a new directory named “my_directory”.</li> </ul>
<a href="#">rm</a>	Remove files and directories.	<ul style="list-style-type: none"> <li>• <b>-r:</b> Remove directories recursively.</li> <li>• <b>-f:</b> Force removal without confirmation.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>rm file.txt</b> deletes the file named “file.txt”.</li> <li>• <b>rm -r my_directory</b> deletes the directory “my_directory” and its contents.</li> <li>• <b>rm -f file.txt</b> forcefully deletes the file “file.txt” without confirmation.</li> </ul>

<a href="#"><u>cp</u></a>	Copy files and directories.	<ul style="list-style-type: none"><li>• <b>-r:</b> Copy directories recursively.</li></ul>	<ul style="list-style-type: none"><li>• <b>cp -r directory destination</b> copies the directory “directory” and its contents to the specified destination.</li><li>• <b>cp file.txt destination</b> copies the file “file.txt” to the specified destination.</li></ul>
<a href="#"><u>mv</u></a>	Move/rename files and directories.		<ul style="list-style-type: none"><li>• <b>mv file.txt new_name.txt</b> renames the file “file.txt” to “new_name.txt”.</li><li>• <b>mv file.txt directory</b> moves the file “file.txt” to the specified directory.</li></ul>

<a href="#">touch</a>	Create an empty file or update file timestamps.		<ul style="list-style-type: none"> <li>• <b>touch file.txt</b> creates an empty file named "file.txt".</li> </ul>
<a href="#">cat</a>	View the contents of a file.		<ul style="list-style-type: none"> <li>• <b>cat file.txt</b> displays the contents of the file "file.txt".</li> </ul>
<a href="#">head</a>	Display the first few lines of a file.	<ul style="list-style-type: none"> <li>• <b>-n:</b> Specify the number of lines to display.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>head file.txt</b> shows the first 10 lines of the file "file.txt".</li> <li>• <b>head -n 5 file.txt</b> displays the first 5 lines of the file "file.txt".</li> </ul>
<a href="#">tail</a>	Display the last few lines of a file.	<ul style="list-style-type: none"> <li>• <b>-n:</b> Specify the number of lines to display.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>tail file.txt</b> shows the last 10 lines of the file "file.txt".</li> <li>• <b>tail -n 5 file.txt</b> displays the last 5</li> </ul>

			lines of the file "file.txt".
<a href="#">ln</a>	Create links between files.	<ul style="list-style-type: none"><li>• <b>-s:</b> Create symbolic (soft) links.</li></ul>	<ul style="list-style-type: none"><li>• <b>ln -s source_file link_name</b> creates a symbolic link named "link_name" pointing to "source_file".</li></ul>
<a href="#">find</a>	Search for files and directories.	<ul style="list-style-type: none"><li>• <b>-name:</b> Search by filename.</li><li>• <b>-type:</b> Search by file type.</li></ul>	<ul style="list-style-type: none"><li>• <b>find /path/to/search -name "*.txt"</b> searches for all files with the extension ".txt" in the specified directory.</li></ul>