# GNU Coreutils Cheat Sheet (v1.00)

Created by **Peteris Krumins** (peter@catonmat.net, www.catonmat.net -- good coders code, great coders reuse)

| Utility | Description | Utility | Description |
| --- | --- | --- | --- |
| arch | Print machine hardware name | nproc | Print the number of processors |
| base64 | Base64 encode/decode strings or files | od | Dump files in octal and other formats |
| basename | Strip directory and suffix from file names | paste | Merge lines of files |
| cat | Concatenate files and print on the standard output | pathchk | Check whether file names are valid or portable |
| chcon | Change SELinux context of file | pinky | Lightweight finger |
| chgrp | Change group ownership of files | pr | Convert text files for printing |
| chmod | Change permission modes of files | printenv | Print all or part of environment |
| chown | Change user and group ownership of files | printf | Format and print data |
| chroot | Run command or shell with special root directory | ptx | Permuted index for GNU, with keywords in their context |
| cksum | Print CRC checksum and byte counts | pwd | Print current directory |
| comm | Compare two sorted files line by line | readlink | Display value of a symbolic link |
| cp | Copy files | realpath | Print the resolved file name |
| csplit | Split a file into context-determined pieces | rm | Delete files |
| cut | Remove parts of lines of files | rmdir | Remove directories |
| date | Print or set the system date and time | runcon | Run command with specified security context |
| dd | Convert a file while copying it | seq | Print sequence of numbers to standard output |
| df | Summarize free disk space | setuidgid | Run a command with the UID and GID of a specified user |
| dir | Briefly list directory contents | sha1sum | Print or check SHA-1 digests |
| dircolors | Color setup for ls | shred | Overwrite files and devices to make it harder to recover data |
| dirname | Strip suffix from file name | shuf | Shuffle lines of text |
| du | Summarize disk usage | sleep | Delay for a specified amount of time |
| echo | Write to the terminal | sort | Sort lines of text (with all kinds of options) |
| env | Run a program in a modified environment | split | Split a file into pieces |
| expand | Convert tabs to spaces | stat | Display file or file system status |
| expr | Evaluate expressions | stdbuf | Run a command with modified I/O stream buffering |
| factor | Print prime factors of n | stty | Change and print terminal line settings |
| false | Exit with a status code indicating failure | su | Run a shell with substitute user and group IDs |
| fmt | Simple text formatter | sum | Checksum and count the blocks in a file |
| fold | Wrap each input line to fit in specified width | sync | Synchronize data on disk with memory |
| getlimits | Print various platform dependent limits | tac | Concatenate and print files in reverse |
| groups | Print the groups a user is in | tail | Output the last part of file(s) |
| head | Output first part of file(s) | tee | Read from standard input and write to standard output and files |
| hostid | Print numeric host identifier | test | Check file types and compare values |
| hostname | Set or print the name of current host system | timeout | Run a command with bounded time |
| id | Print real and effective UIDs and GIDs | touch | Change modification and access times of files |
| install | Copy files and set attributes | tr | A filter to translate characters |
| join | Join lines of two files on a common field | true | Exit with a status code indicating success |
| kill | Send a signal to a process | truncate | Truncate or extend the length of files |
| link | Create a  hard link | tsort | Topological sort |
| ln | Create links between files | tty | Print the name of the terminal connected to standard input |
| logname | Print user's login name | uname | Print system information |
| ls | List files | unexpand | Convert blanks to tabs |
| md5sum | Compute checksums of files or strings | uniq | Remove duplicate lines from a sorted file |
| mkdir | Make directories | unlink | Remove files via the unlink syscall |
| mkfifo | Make fifos (named pipes) | uptime | Print system uptime and load |
| mknod | Make a fifo, character file, or block file | users | Print login names of users currently logged in |
| mktemp | Create a temporary file or directory, safely | vdir | Verbosely list directory contents |
| mv | Move or rename files | wc | Print the number of lines, words, and bytes in files |
| nice | Run a program with modified niceness | who | Print who is currently logged in |
| nl | Number lines of files | whoami | Print effective user ID |
| nohup | Run a command immune to hangups | yes | Output a string repeatedly until killed |