

## BASH QUICK REFERENCE CARD

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### Shortcuts

`^p`..... Fetch the previous command from the history list  
`^r`..... Search history backward (incremental search)  
`<esc>` . . . . . print last argument of prev command

### History-Commands

example commmand is: `echo foo bar`

`!!`..... runs previous executed command (also known as ‘bang bang’)  
`sudo !!`    `sudo echo foo`  
`!n` `!-n`..... executes command `n/nth` last command  
`!c` `!?c?`..... runs last executed command, starting with/containing string or character `c` (ending `?` is optional)  
`!echo`    `echo foo bar`  
`!? sudo`    `sudo echo foo`  
`!:d`..... executes first/last/nth/all arguments `arg` of prev command (for meaning of designators (`d`) see below!)  
`vim !sudo:*`    `vim echo`  
`!#`..... Refers to the entire command line typed so far

### Substitutions & Replacements

`^c1^c2^`..... Quick substitution. Repeats the last command, replacing `c1` with `c2`  
`mods/old/new/`  
                 Substitutes new for old (for meaning of modifiers (`mod`) see below)

### - Designators

`0`    The zeroth (first) word in a line (usually command name)  
`n`    The *n*th word in a line  
`^`    The first *arg* (the second word) in a line  
`$`    The last argument *arg* in a line  
`%`    The word matched by the most recent `!?c?` search  
`m-n`    A range of words from *m* to *n* (*-n* is synonymous with `0-n`)  
`*`    All *arg*’s  
`m*`    Synonymous with `m-$`  
`m-`    from *arg m* to end

### - Modifiers

`h`    Removes a trailing pathname component, leaving the head  
`t`    Removes all leading pathname components, leaving the tail (filename in path)  
`r`    Removes a trailing suffix of the form `.xxx`, leaving the basename  
`e`    Removes all but the trailing suffix  
`p`    Prints the resulting command but does not execute it  
`q`    Quotes the substituted words, escaping further substitutions  
`m`    Quotes the substituted words, breaking them into words at blanks and newlines  
`&`    Repeats the previous substitution  
`g`    Causes `s/old/new/` or `&` to be applied over the entire event line  
`G`    Apply the following ‘s’ modifier once to each word in the event line.

### Variables

`append export <setting>=<value>` to your `~/ .bashrc`

`HISTFILE`.... If set to `/dev/null` history file is rejected (Default: `~/ .bash_history`)

### HISTFILESIZE

Controls how many history commands to keep in `HISTFILE` (Default: 500)

`HISTSIZE`.... Controls how many history commands to keep in the history list of current session (Default: 500)

`HISTCONTROL`.. Modality of how to save commands on the history list.

*ignorespace* If the list of values includes *ignorespace*, lines which begin with a space character are not saved in the history list.

*ignoredups* A value of *ignoredups* causes lines matching the previous history entry to not be saved.

*ignoreboth* A value of *ignoreboth* is shorthand for *ignorespace* and *ignoredups*.

*erasedups* A value of *erasedups* causes all previous lines matching the current line to be removed from the history list before that line is saved.

`HISTIGNORE`.. Controls which commands to ignore and not save to the history list.

### Shopt Option

`shopt` options can be set by a `shopt -s` option and can be unset by a `shopt -u` option shell command.

`histappend`.. Setting the variable appends current session history to `HISTFILE`. Unsetting overwrites the file each time

`histreedit`.. If set, puts a failed history substitution back on the command line for re-editing

`histverify`.. If set, puts the command to be executed after a substitution on command line as if you had typed it

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<https://github.com/emzap79/latex/blob/master/qrcBash.tex>  
This TeXfile is based on Gabriel B. Burcas `git-qrc.tex`