

### movement

ctrl + a  
| go to start of line

ctrl + e  
| go to end of line

ctrl + xx  
| go to start of line, press again to go back to starting position

alt + b  
| go **b**ack one word

alt + f  
| go **f**orward one word

ctrl + b  
| go **b**ack one character

ctrl + f  
| **f**o forward one character

### history

ctrl + r  
| search history backward

ctrl + s  
| search history forward\*

ctrl + g  
| quit search mode

ctrl + p  
| previous command (same as **↑**)

ctrl + n  
| next command (same as **↓**)

ctrl + o  
| run current command from history, then queue next command in history

alt + .  
| insert last word of previous command (additional presses cycle back through history)

\* ctrl + s by default will stop output from the shell, but this is a terminal-level feature which blocks this command from reaching the shell  
\* run `stty -ixon` to disable to terminal feature, place in `~/.bashrc` to make permanent

### control

ctrl + l  
| clear screen

ctrl + s  
| pause screen output

ctrl + q  
| unpause screen output

ctrl + z  
| suspend program (use **fg** to unsuspend)

### manipulation

alt + c  
| **c**aptialize to end of word (make current char uppercase, remainder of word lowercase)

alt + u  
| **u**ppercase to end of word

alt + l  
| **l**owercase to end of word

C

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### manipulation (cont)

alt + t

transpose word with previous word (space counts as the next word)

ctrl + \_ OR ctrl + 7 OR ctrl +x ctrl + u

undo last edit (can be used repeatedly)

ctrl + x ctrl + e

open the current command line in your editor\*

\* specify desired editor by setting \$EDITOR or \$VISUAL environment variables

\* when editing the command line in vi-like editor, quit with :cq to *avoid running the command*, otherwise exit with :wq or :x as usual

\* the shell might not recognise a GUI editor properly, since some spawn the process and then exit

### cut/paste/delete

ctrl + u

from cursor, delete to start of line

ctrl + k

from cursor, delete to end of line

ctrl + w

from cursor, delete to start of word

alt + d

from cursor, delete to end of word

ctrl + d

delete current character (delete key)

ctrl + h

delete character before cursor (backspace)

ctrl + y

paste cut/deleted text after cursor

### bang

!!

run last whole command

!foo

run last command starting with "foo"

!foo?

run last command containing foo

!\$

replaced with last word of previous command (same as alt + . but doesn't put the actual text)

!\*

replaced with all arguments of previous command

<bang cmd>;p

print what <bang cmd> would be replaced with/run

<bang cmd>;s/foo/bar

replace foo with bar in command returned by <bang cmd> (use sed search/replace format)

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