# fish shell

Friendly interactive shell

## SUGGESTIONS & COMPLETION

**`Right / Ctrl+F`**
Accept the whole autosuggestion

**`Alt+Right / Alt+F`**
Accept one word of the suggestion

**`Tab`**
Complete; with several matches open the pager

## COMMAND-LINE KEYS

**`Ctrl+W`**
Delete the previous path component

## HISTORY & DIRECTORIES

**`Up / Down`**
Search history for what you typed

**`Ctrl+R`**
Open history in the pager

## VARIABLES & LISTS

**`set`** *`<name> <value>`*
Set a variable

**`set -gx`** *`<NAME> <value>`*
Set global and export

**`fish_add_path`** *`<dir>`*
Add a directory to PATH (saved)

**`$name[2]`**
Element 2 (lists start at 1)

## EXPANSION

**`(`***`<cmd>`***`)`**
Command substitution, one arg per line

## CONTROL FLOW

**Conditions**

```
if test -f <file>
    echo yes
else if test -d <file>
    echo dir
else
    echo no
end
```

## CONTROL FLOW (cont.)

**`math`** *`<a>`* **`+`** *`<b>`*
Arithmetic, floats included

## FUNCTIONS & ABBREVIATIONS

**`function`** *`<name>`* **`... end`**
Define a function ($argv holds args)

**`funcsave`** *`<name>`*
Save a function to ~/.config/fish/functions

**`abbr -a`** *`<name> <text>`*
Expand name to text on space or Enter

## STRINGS

**`string replace -a`** *`<old> <new> <text>`*
Replace all occurrences

## REDIRECTION & PIPES

*`<cmd>`* **`>`** *`<file>`*
Stdout to a file

## CONFIG & PROMPT

**`~/.config/fish/config.fish`**
Runs at every start

## COMING FROM BASH

**bash to fish**

| bash | fish |
|---|---|
| `export X=1` | `set -gx X 1` |
| `$?` | `$status` |
| `$(cmd)` | `(cmd) or $(cmd)` |
| `${v/a/b}` | `string replace a b $v` |
| `$((1+2))` | `math 1 + 2` |
| `<(cmd)` | `(cmd \| psub)` |
| `[[ $a == b ]]` | `test $a = b` |
| `f() { ...; }` | `function f ... end` |
| `cmd1 && cmd2` | `cmd1; and cmd2` |

## HELP

**`help`** *`<topic>`*
Open the docs on a topic