Zsh Shell with power globbing

CONCEPTS

> Zsh does not word-split unquoted $var, and a glob pattern that matches nothing is an error unless you add (N).

History !! and !$
↓ alias
Aliases global and suffix too
↓ expand
Expansion ${...}, $(...), globs
↓ run
Command status in $?

> Array indices start at 1, not 0, unless KSH_ARRAYS is set.

GLOBBING

`ls **/*.<ext>`
Match files in all subdirectories

`ls *(/)`
Directories only

`ls *(.)`
Regular files only

`ls *(om[1,5])`
Five most recently modified

`ls *(.N)`
Match or give nothing, no error

PARAMETER EXPANSION

`${var:-<default>}`
Use default if unset or empty

ARRAYS & MAPS

`arr=(a b c)`
Create an array

`$arr[1]`
First element

`arr+=(<item>)`
Append an element

`path=(~/bin $path)`
Prepend to PATH

HISTORY

`!!`
Repeat the previous command

`!$`
Last word of previous command

HISTORY (cont.)

`history`
List commands with numbers

`Ctrl+R`
Search history backwards

OPTIONS

`setopt <option>`
Turn an option on

`setopt extended_glob`
Enable ^, ~ and # patterns

PROMPT, ALIASES & COMPLETION

`PROMPT='%n@%m %~ %# '`
Set the prompt

`alias <name>='<cmd>'`
Define an alias

`autoload -Uz compinit && compinit`
Enable the completion system

`Tab Tab`
Show or cycle completions

`source ~/.zshrc`
Reload the config file

DIRECTORIES & FUNCTIONS

`<name>() { ... }`
Define a function

DIFFERENCES FROM BASH

Behaviour changes

Topic	Bash	Zsh
Unquoted $var	word-split	not split
Array start	index 0	index 1
No glob match	passes pattern	error
Prompt read	read -p	read '?txt '
Config file	~/.bashrc	~/.zshrc
Ignore case	nocasematch	(#i)

RECIPES

Starter ~/.zshrc

```
autoload -Uz compinit && compinit
setopt auto_cd share_history
HISTFILE=~/.zsh_history SAVEHIST=50000
typeset -U path; path=(~/bin $path)
```