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| Special Characters | |
| & | Background job |
| # | Comment |
| ~ | Home Directory |
| ! | Logical NOT |
| ‘ | Quote (Strong) |
| “ | Quote (Weak) |
| < | Redirect input |
| > | Redirect output |
| >> | Redirect output + append to file |
| | | Redirect (pipe) output to next command |
| / | Separator for pathname directories |
| ; | Separator for shell commands |
| [ ] | Start and end a character-set wildcard |
| { } | Start and end a command block |
| ( ) | Start and end a subshell |
| (( )) | Perform arithmetic |
| \* | Wildcard |
| ? | Wildcard – single character |
| $ | Variable expression |
| \ | Escape a special character |
| n>&m | Descriptor n is a copy of ouput file descriptor m |
| n<&m | Descriptor n is a copy of input file descriptor m |

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| String Operators | |
| ${varname:-word} | Returns word |
| ${varname:=word} | Sets and returns word |
| ${varname:?message} | Prints message and exits |
| ${varname:offset:length} | Returns substring |
| ${varname:+word} | If varname is defined, return word |

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| Pattern-matching operators | |
| ${varname#pattern} | Match first from the start |
| ${varname##pattern } | Match last from the start |
| ${varname%pattern} | Match first from the end |
| ${varname/pattern/replace} | Match longest and replace |
| ${varname//pattern/replace} | Match all and replace |

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| Variables | |
| $0, $1, $2, … | Positional parameters |
| $@ | “$1” “$2” “$3” … |
| $\* | A string of positional params > 0 |
| $# | Number of positional params |
| $? | Exit status of last command run |

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| Functions | |
| define | function myfunction { … }  *or*  myfunction ( ) { … } |
| call | myfunction arg1 arg2 … |
| keywords | local – limit var scope |