Shell Variables Cheatsheet

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| Variable | Description | Example |
| **Positonal Variables** | | |
| $0 | Script Name | echo “Running $(basename $0)” |
| $1 - $9 | First through ninth arguments | echo “$1 is your first arg” |
| ${10) - ${99} | Tenth through ninety-ninth arguments | echo “${10} is your tenth arg” |
| $# | Return the number of arguments | echo “You passed $# args” |
| $\* | Return all args as one entity |  |
| $@ | Return all args with field seperator |  |
| **Special Variables** | | |
| $? | Exit status of last command |  |
| $! | Process ID of last background process |  |
| $$ | Process ID of shell running script |  |
| $- | Current shell flags passed to bash. Check to see if shell is interactive. | echo $-  output: himBH |

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| **Shell Variables** | |
| $IFS | Field Seperator (default whitespace) |
| $SECONDS | Number of seconds shell has been open |
| $SHELLOPT | Shell Options |
| $SHLVL | Level of shell/subshells |
| $LINENO | Line number of code being run |
| $PWD | Current working directory |
| $UID | User ID of user who ran script |
| $HOME | Home of user who ran script |
| $PS1 | Prompt |
| $PS3 | Prompt for Select menu |
| $PATH | System path that's searched for commands |
| $TMPDIR | Temp dir where bash puts it's temp files |
| $SHELL | Current running shell |