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| Bash special parameters  The [bash shell](https://bash.cyberciti.biz/guide/Bash_shell) treats several parameters specially. These parameters may only be referenced; assignment to them is not allowed:   1. [$\*](https://bash.cyberciti.biz/guide/$*) 2. [$@](https://bash.cyberciti.biz/guide/$@) 3. [$#](https://bash.cyberciti.biz/guide/$) 4. [$?](https://bash.cyberciti.biz/guide/$%3F) 5. [$-](https://bash.cyberciti.biz/guide/$-) 6. [$$](https://bash.cyberciti.biz/guide/$$) 7. [$!](https://bash.cyberciti.biz/guide/$!) 8. [$0](https://bash.cyberciti.biz/guide/$0) 9. [$\_](https://bash.cyberciti.biz/guide/$)  * [$\*](https://bash.cyberciti.biz/guide/$*) or [$@](https://bash.cyberciti.biz/guide/$@) holds all parameters or arguments(array) passed to the function. * [$#](https://bash.cyberciti.biz/guide/$) holds the number of positional parameters passed to the function * ?: **Expands into the exit code of the previously completed foreground command**   We use $? mostly if we want to use the exit code of a command in multiple places; or to test it against many possible values in a case statement |