

## NAME

perlcheat - Perl 5 Cheat Sheet

## DESCRIPTION

This 'cheat sheet' is a handy reference, meant for beginning Perl programmers. Not everything is mentioned, but 195 features may already be overwhelming.

## The sheet

CONTEXTS	SIGILS	ref	ARRAYS	HASHES
void	\$scalar	SCALAR	@array	%hash
scalar	@array	ARRAY	@array[0, 2]	@hash{'a', 'b'}
list	%hash	HASH	\$array[0]	\$hash{'a'}
	&sub	CODE		
	*glob	GLOB	SCALAR VALUES	
		FORMAT	number, string, ref, glob, undef	

### REFERENCES

\	reference	\$\$foo[1]	aka \$foo->[1]
\$@%&*	dereference	\$\$foo{bar}	aka \$foo->{bar}
[]	anon. arrayref	\${\$foo[1]}[2]	aka \$foo->[1]->[2]
{}	anon. hashref	\${\$foo[1]}[2]	aka \$foo->[1][2]
\()	list of refs		

### SYNTAX

OPERATOR PRECEDENCE	foreach (LIST) { }	for (a;b;c) { }
->	while (e) { }	until (e) { }
++ --	if (e) { }	elsif (e) { }
**	unless (e) { }	elsif (e) { }
! ~ \ u+ u-	given (e) { }	when (e) { }
== !~		default { }
* / % x	NUMBERS vs STRINGS	FALSE vs TRUE
+ - .	=	undef, "", 0, "0"
<< >>	+	anything else
named uops	== !=	eq ne
< > <= >= lt gt le ge	< > <= >=	lt gt le ge
== != <=> eq ne cmp ~~	<=>	cmp

	REGEX MODIFIERS	REGEX METACHARS
^	/i case insensitive	^ string begin
&&	/m line based ^\$	\$ str end (bfr \n)
//	/s . includes \n	+ one or more
.. ...	/x ignore wh.space	* zero or more
?:	/p preserve	? zero or one
= += last goto	/a ASCII /aa safe	{3,7} repeat in range
, =>	/l locale /d dual	alternation
list ops	/u Unicode	[] character class
not	/e evaluate /ee rpts	\b word boundary
and	/g global	\z string end
or xor	/o compile pat once	() capture
DEBUG		(?:p) no capture
-MO=Deparse	REGEX CHARCLASSES	(?#t) comment
-MO=Terse	. [^\n]	(?=p) ZW pos ahead
-D##	\s whitespace	(?!p) ZW neg ahead
-d:Trace	\w word chars	(?<=p) ZW pos behind \K
	\d digits	(?<!p) ZW neg behind
CONFIGURATION	\pP named property	(?>p) no backtrack
perl -V:ivsize	\h horiz.wh.space	(? p p)branch reset
	\R linebreak	(?<n>p)named capture

			\S \W \D \H negate	\g{n} ref to named cap
				\K keep left part
FUNCTION RETURN LISTS				
stat	localtime	caller	SPECIAL VARIABLES	
0 dev	0 second	0 package	\$_	default variable
1 ino	1 minute	1 filename	\$0	program name
2 mode	2 hour	2 line	\$/	input separator
3 nlink	3 day	3 subroutine	\$\	output separator
4 uid	4 month-1	4 hasargs	\$	autoflush
5 gid	5 year-1900	5 wantarray	\$!	sys/libcall error
6 rdev	6 weekday	6 evaltext	\$@	eval error
7 size	7 yearday	7 is_require	\$\$	process ID
8 atime	8 is_dst	8 hints	\$.	line number
9 mtime		9 bitmask	@ARGV	command line args
10 ctime		10 hinthash	@INC	include paths
11 blkisz		3..10 only	@_	subroutine args
12 blkcs		with EXPR	%ENV	environment

## ACKNOWLEDGEMENTS

The first version of this document appeared on Perl Monks, where several people had useful suggestions. Thank you, Perl Monks.

A special thanks to Damian Conway, who didn't only suggest important changes, but also took the time to count the number of listed features and make a Perl 6 version to show that Perl will stay Perl.

## AUTHOR

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## SEE ALSO

- [http://perlmonks.org/?node\\_id=216602](http://perlmonks.org/?node_id=216602) - the original PM post
- [http://perlmonks.org/?node\\_id=238031](http://perlmonks.org/?node_id=238031) - Damian Conway's Perl 6 version
- <http://juerd.nl/site.plp/perlcheat> - home of the Perl Cheat Sheet