

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	SYNTAX
->	foreach (LIST) { } for (a;b;c) { }
++ --	while (e) { } until (e) { }
**	if (e) { } elsif (e) { } else { }
! ~ \ u+ u-	unless (e) { } elsif (e) { } else { }
== !=	given (e) { when (e) {} default {} }

NUMBERS vs STRINGS	FALSE vs TRUE
* / % x	=
+ - .	=
<< >>	undef, "", 0, "0"
named uops	+ . anything else
< > <= >= lt gt le ge	== != eq ne
== != <=> eq ne cmp ~~	< > <= >= lt gt le ge
&	<=> cmp

REGEX MODIFIERS	REGEX METACHARS
^	^ string begin
&&	\$ str end (bfr \n)
//	+ one or more
.. ...	* zero or more
?:	? zero or one
= += last goto	{3,7} repeat in range
, =>	alternation
list ops	[] character class
not	\b boundary
and	\z string end
or xor	() capture
/o compile pat once	(?:p) no capture

DEBUG	REGEX CHARCLASSES	REGEX METACHARS
-M0=Deparse	.	(?#t) comment
-M0=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 blksize		3..10 only	@_ subroutine args
12 blksize		with EXPR	%ENV environment

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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.

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SEE ALSO

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