

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			
OPERATOR PRECEDENCE		NUMBERS vs STRINGS	LINKS	
->		=	=	perldoc.perl.org
++ --		+	.	search.cpan.org
**		== !=	eq ne	cpan.org
! ~ \ u+ u-		< > <= >=	lt gt le ge	pm.org
=~ !~		<=>	cmp	p3rl.org
* / % x				perlmonks.org
SYNTAX				
+ - .		foreach (LIST) { }	for (a;b;c) { }	
<< >>		while (e) { }	until (e) { }	
named uops		if (e) { } elsif (e) { } else { }		
< > <= >= lt gt le ge		unless (e) { } elsif (e) { } else { }		
== != <=> eq ne cmp ~~		given (e) { when (e) {} default { } }		
&				
^	REGEX METACHARS	REGEX MODIFIERS		
&&	^	string begin	/i case insensitive	
//	\$	str end (bfr \n)	/m line based ^\$	
.. ...	+	one or more	/s . includes \n	
?:	*	zero or more	/x ignore wh.space	
= += -= *= etc	?	zero or one	/p preserve	
, =>	{3,7}	repeat in range	/a ASCII /aa safe	
list ops		alternation	/l locale /d dual	
not	[]	character class	/u Unicode	
and	\b	word boundary	/e evaluate /ee rpts	
or xor	\z	string end	/g global	
	()	capture	/o compile pat once	
DEBUG	(?:p)	no capture		
-MO=Deparse	(?#t)	comment	REGEX CHARCLASSES	
-MO=Terse	(?=p)	ZW pos ahead	. [^\n]	
-D##	(?!p)	ZW neg ahead	\s whitespace	
-d:Trace	(?<=p)	ZW pos behind \K	\w word chars	
	(?<!p)	ZW neg behind	\d digits	
CONFIGURATION	(?>p)	no backtrack	\pP named property	
perl -V:ivsize	(? p p)	branch reset	\h horiz.wh.space	
	(?&NM)	cap to name	\R linebreak	

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 blkisz		with EXPR	%ENV	environment

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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.

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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