

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) { } else { }	
**	unless (e) { } elsif (e) { } else { }	
! ~ \ 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 /xx ign. wh.space

* zero or more

= += last goto

/p preserve

? zero or one

, =>

/a ASCII /aa safe

{3,7} repeat in range

list ops

/l locale /d dual

| alternation

not

/u Unicode

[] character class

and

/e evaluate /ee rpts

\b boundary

or xor

/g global

\z string end

/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 year-day	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

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.

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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