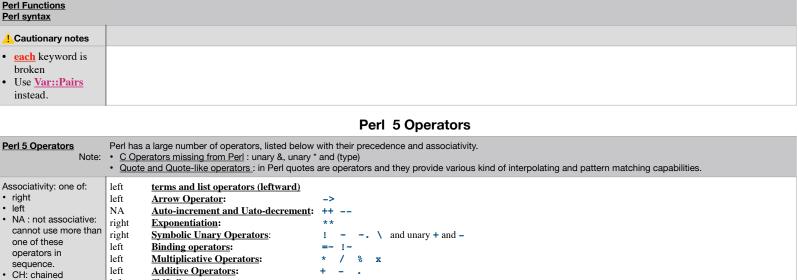
See also: <u>\$1 - Perl</u>	Perl Tools	Perl Style Guide. perlcritic script uses Perl::Critic to scan Perl code. The perltidy application reformats Perl code.			
Perl @ Wikipediaperl.orgperldoc browser	Learning Perl	Perl Intro - a quick introduction to Perl Online Perl books Beginning Perl		perl , Perl command line options perlivp , perldoc , perlbug / perlthanks perlsec - Perl security	
CPAN	CPAN @ Wikipedia		Command line tools interacting with CPAN:		
	The Zen of Compre	hensive Archive Networks	• <u>cpan</u> : install on some Linux with: sudo dnf install perl-CPAN		
	• CPAN	<u>.</u>			
	Search CPAN — meta::c	<u>pan</u>	• cpanminus: cpanm: install on some Linux with: sudo dnf install perl-App-		
	PAUSE - Perl Authors Upload Server		cpanminus		

Perl 5 Keywords



Multiplicative Operators: * / % x left Additive Operators: left Shift Operators: NA named unary operators NA **Class instance Operator:** isa СН Relational Operators: 1t gt le ge CH/NA **Equality Operators:** != eq cmp Bitwise And:
Bitwise Or and Exclusive Or: left. & &. left 1. left C-style Logical And: left. **Logical Defined-Or:** П 11 NA Range Operators: right Conditional Operator: right Assignment Operators: >>= .= goto last next redo dump Comma, fat-comma Operators: , => left list operators (rightward) NA **Logical Not:** not right Logical And: and left

Logical or and Exclusive or: or xor left It is possible to combine the file test operator with the AND operator as in the following example: File test operators The most important is readable -r -е exists. operators are shown is writable is empty. -w -7. is executable has nonzero size (returns size in bytes). -x -s They check if the file... is owned by effective uid. -f is a plain file. -0 -R is readable is a directory. -W is writable -l is a symbolic link. -X -O is a named pipe (FIFO) or Filehandle is a pipe. is executable file is owned by real uid. is a socket.

• \$<

(-e \$fname && -f _ && -r _){
print("\$fname exists and is readable\n"); -b is a block special file. is a character special file. -c handle is opened to a tty. -t has setuid bit set. -u has setgid bit set. has sticky bit set. -T is an ASCII text file (heuristic guess). is a "binary" file (opposite of -T). -R

	Perl 5 Constants and Variables				
Perl Constants	 Perl pragma to declare constants. But be aware that these are still not read-only, that they inject sub-routines and have several limitations. Read the doc!! CPAN modules for defining constants by Neil Bowers. Of particular interest: Const::Fast and Attribute::Constant for efficient read-only constants. 				
Perl Special Variables Perl Variables	To get information about a Perl special variable from the command line use the perldoc -v command. • To get information about \$< use: perldoc -v '\$<'				
General variables					
default input and pattern searching space	• \$ARG • \$_	subroutine parameters	• @ARG • @_		
list separator	• \$LIST_SEPARATOR • \$"	Subscript separator for multidimensional array emulation	• \$SUBSCRIPT_SEPARATOR • \$SUBSEP • \$;		
Name of executed program	• \$PROGRAM_NAME • \$0	Name used to execute the current copy of Perl	• \$EXECUTABLE_NAME • \$^X		
Perl process ID	• \$PROCESS_ID • \$PID • \$\$				
Process real GID	\$REAL_GROUP_ID\$GID\$(Process effective GID	 \$EFFECTIVE_GROUP_ID \$EGID \$)		
Process real UID	• \$REAL_USER_ID • \$UIG	Process effective UID	\$EFFECTIVE_USER_ID\$ \$EUID		

• \$>

Consciel veriables in sout						
Special variables in sort	• \$a • \$b					
Current environment			cessed as an associative array (a hess shell environment variables the		rays.	
Perl interpreter revision, version and subversion	• \$OLD_PERL_VERSION • \$]		Perl interpreter revision, version and subversion	• \$PERL_VERSION • \$^V	1	
Maximum file descriptor	• \$SYSTEM_FD_MAX • \$^F					
Fields of each line when auto-split mode is on.	7.7					
Include Directories	@INC	Included filenames	%INC	Hook localization (?)	\$INC	
inplace-edit extension value	• \$INPLACE_EDIT • \$^I					
Package's class parent classes	• \$^1 @ISA					
Emergency memory pool	\$^M					
Maximum block nesting	\${^MAX_NESTED_EVAL_BEGIN_BLOG	CKS}				
Name of OS where this Perl was built	• \$OSNAME • \$^O					
Signal handlers	%SIG					
Coderefs for various perl keywords	%{^HOOK}					
Time when program	• \$BASETIME					
• Variables related to	• \$^T					
regular expressions captured sub-patterns	© disis (\$1 \$2 \)					
Capture buffer content	\$ <digit>(\$1,\$2,) @{^CAPTURE}</digit>					
String matched	• \$MATCH		String matched (compiled regexp)	\${^MATCH}		
String preceding match	• \$& • \$PREMATCH		String preceding match	\${^PREMATCH}		
String following match	• \$° • \$POSTMATCH		(compiled regexp) String following match	{^POSTMATCH}		
Last capture group	• \$'		(compiled regexp) Most recently closed capture	• \$LAST_SUBMATCH_RESULT		
	• \$LAST_PAREN_MATCH • \$+		group	• \$^N		
Match capture key values	• %{^CAPTURE} • %LAST_PAREN_MATCH • %+					
Match start offsets	• @LAST_MATCH_START • @-	Match ends offsets	• @LAST_MATCH_END • @+	Named captured groups	• %{^CAPTURE_ALL} • %-	
Last successful pattern	\${^LAST_SUCESSFUL_PATTERN}					
Result of last successful regexp assertion	• \$LAST_REGEXP_CODE_RESULT • \$^R					
Maximum regexp nested group	\${^RE_COMPILE_RECURSION_LIMIT}					
regexp debug flag	\${^RE_DEBUG_FLAG}	\${^RE_DEBUG_FLAG}				
regexp internal optimization/memory	\${^RE_TRIE_MAXBUF}					
Variables related to file handles	See also: Perl File Handles					
Name of current file read from <>		Command line arguments of the script	@ARGV	Number of arguments minus one	\$#ARGV	
Special file handle that iterates over command-line filenames in @ARGV		Special file handle that points to currently open output file when doing edit-in-place processing	ARGVOUT			
Output field separator for the print operator	• IO::Handle->output_field_separator(EXPR) • \$OUTPUT_FIELD_SEPARATOR • \$OFS • \$,		Current line number for the last file handled accessed	 HANDLE->input_line_number(EXPR) \$INPUT_LINE_NUMBER \$NR \$. 		
Input record separator (newline by default)	 IO::Handle->input_record_separator(EXPR) \$INPUT_RECORD_SEPARATOR \$RS \$/ 		Output record separator	 IO::Handle->output_record_separator(EXPR) \$OUTPUT_RECORD_SEPARATOR \$ORS \$\(\) 		
Auto-flush control	HANDLE->autoflush(EXPR) SOUTPUT_AUTOFLUSH \$		Last read file handle	\${^LAST_FH}		
Variables related to format						
Current value of the write() accumulator for format() lines.	• \$ACCUMULATOR • \$^A					
Form feed format. defaults to \f	IO::Handle->format_formfeed(EXPR) \$FORMAT_FORMFEED \$^L		Set of characters after which a string may be broken to fill continuation fields	• IO::Handle->format_line_break_characters EXPR • \$FORMAT_LINE_BREAK_CHARACTERS • \$:		
Number of lines left on the page on currently selected output channel	 HANDLE->format_lines_left(EXPR) \$FORMAT_LINES_LEFT \$-		Current page length of current output channel	HANDLE->format_lines_per_page(EXPR)\$FORMAT_LINES_PER_PAGE\$=		

Name of current top- page format of output channel	HANDLE->format_top_name(EXPR)\$FORMAT_TOP_NAME\$^	Report format name of output channel	HANDLE->format_name(EXPR)\$FORMAT_NAME\$~		
Error Variables	The variables \$@, \$!, \$^E, and \$? contain information about different types of error conditions that may appear during execution of a Perl program. They correspond to errors detected by the Perl interpreter, C library, operating system, or an external program, respectively.				
Perl error from the last eval operator	• \$EVAL_ERROR • \$@	Current state of interpreter	• \$EXCEPTIONS_BEING_CAUGHT • \$^S		
Current value of C errno integer variable	• \$OS_ERROR • \$ERRNO • \$!	Hash of error names to 0 or 1, set to 1 if current error is this error.	• %OS_ERROR • %ERRNO • %!		
OS detected error	• \$EXTENDED_OS_ERROR • \$^E				
Status returned by last pipe close, backtick command, wait, waited, or system() call.	• \$CHILD_ERROR • \$?	native status returned by last pipe close , backtick command, wait() or wiatpid() or system() call	\${^CHILD_ERROR_NATIVE}		
Current value of warning switch	• \$WARNING • \$^W	Current set of warning checks enabled by the use warnings pragma	\${^WARNING_BITS}		
Variables related to the interpreter state	These variables provide information about the current interpreter state.				
Flag associated with the -c switch	• \$COMPILING • \$^C	The current value of the debugging flags	• \$DEBUGGING • \$^D		
Current phase of the perl interpreter	\${^GLOBAL_PHASE}				
Compile-time hints for the perl interpreter. Internal use only	\$^H Values of compiled statements %^H				
Input/Output Layers. Internal use by PerllO only.	\${^OPEN}				
Debugging support. Internal variable.	• \$PERLDB • \$^P				
Taint mode	\$\{^TAINT} \text{Safe locale operations} \text{\$\{^SAFE_LOCALES}\} \text{availability}				
Unicode Settings of Perl	\${^UNICODE}				
Internal UTF-8 offset caching code state	\$\{^\UTF8CACHE}\} \text{State of UTF-8 locale detected by perl at startup.} \{^\UTF8LOCALE}\}				
Deprecated and removed variables:	\$# \$* \$[\${^ENCODING} \${^WIN32_SLOP}	PPY_STAT}			