









Perl "Scalars"
Scalars represent single values (text string or number). Referred to as \$foobar.
Need not be declared, but can be — my \$foobar defines local variable. Undeclared variables are global in scope.











Perl — Conditional Execution
Basic syntax familiar but with a twist: if, elif, else. Also unless.
Can also put if or unless after statement to do conditionally.







Perl — Pattern Matching
Good support for pattern matching and substitution. Based on regular expressions, as discussed earlier this semester; same concepts, but as noted syntax details can vary.
Simple pattern matching for tests: /foo/ true if \$\_ contains "foo".
\$a ~ = /foo/ true if \$a contains "foo".
Simple search-and-replace: s/foo/bar/ or s/foo/bar/g to operate on default variable. \$a = ~ s/foo/bar/ to operate on \$a.
As previously, use parentheses to define "capture groups"; reference as \$1, \$2, etc.



Perl — Modules
Perl does provide support for object-oriented programming, via "modules".
Defining modules beyond the scope of this lecture.
Using modules ...
Module names generally hierarchical, with components separated by ::, e.g., MIME :: QuotedPrint.
use to give access to a module. Most modules have a man page with examples of use.
(An example — many modules in "Library for WWW in Perl" — perldoc lwptut for introduction.)

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