

CSMC 10100-1 Midterm Review Topics: A suggestive list of starting points for study. W. Sterner

- XHTML
  - Markup Elements
    - Formatting elements
    - Links and Image elements
    - Tables and Frames
    - Block elements
  - CSS
    - Syntax for inline, embedded, and external stylesheets
    - Properties and Values modifying selectors
    - Floating and Positioning
    - Box Model
    - Classes and Pseudo-Classes
- Perl
  - The Perl Language
  - Components of a Programming Language
    - Data Structures:
      - + Data Types
        - literals
        - entities
      - + numbers
        - integers
        - reals
      - + strings
        - "" is a null string
        - alphanumeric characters
    - Scalar Variables \$
    - Arrays or Lists @ -- a positionally ordered list of scalar values.
    - Hashes (associative arrays) % -- a key-string/value pair ordered list of scalar data.
    - Files
    - Control Structures:
      - Conditional Statements: if / elsif / else
      - Loops: for / foreach / while / until
    - Operators:
      - Arithmetic
      - String
      - Logical
    - Functions:
      - Built-in
      - Libraries
      - Subroutines -- Programmer-defined
    - Expressions, Statements, Modules, and Programs:
      - + Expressions = any series of variables, operators, and functions that are evaluated and result in a single value.
        - simple
        - compound
      - + Statements -- complete unit of execution. Terminate by a semicolon.
        - simple
        - compound (blocks). Enclosed by curly braces, { }. Do not require a semicolon.
    - Syntactic Conventions:
      - Comments denoted by a # sign.
      - + Quotation marks:
        - Single (scare) Quotes = String is printed literally -- without interpretation of any expressions.
        - Double Quotes = Interprets expressions and escaped characters, while printing standard characters.
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    - Reserved Words
      - All terms of the language given explicit definitions within Perl.