

Topic: text, text, text (arrays, functions, strings)

Approach: Build CGI programs, then build the tools they use

Overview and Intro

Basic Operation of Web Communication

Connect, Request, Act, Reply

Basic parts of a cgi application: form, connector, script, tools

CGI Example

stationnames - no form needed

Improving Our Website

Clearer - use hyperlinks to make access to tools as text

Robust - Reduce user error with radio buttons

Flexible - Add choices with radio buttons

Summary: (1) Hyperlinks, (2) radio buttons, (3) if..then..

C Data Types and Structures

C has only the basic types the machine supports: int, float, char, pointer

Only three types of aggregate storage: array, struct, union

No data types hide any internal structure

Array Basics

What

Operations: Creating, Indexing, Initializing

☞ Note: a multi-dimensional array IS an array of arrays

Arrays and Functions: always pass by reference

example: array-func-demo.c

String Basics

A string is an array of chars with a '\0' to mark end

One works with strings using functions

String Programming

Inherits from array

Input/Output has special methods

writing splitline

using splitline

writing readln

using readln