Xandrian Research

DL-Pascal — Project Catalog | Draft for editorial review

Subject	Description
Regression Testing	
~~cov01.pas~~	Tests scalar types, numeric ranges, constants, conversions, arithmetic, relational and Boolean operators. Results: ~~cov01.log~~
~~cov02.pas~~	Exercises conditional statements, loops, CASE selection, GOTO, nesting and control-flow edge cases. Results: ~~cov02.log~~
~~cov03.pas~~	Tests procedures and functions, value and VAR parameters, recursion, forward declarations and callable variables. Results: ~~cov03.log~~
~~cov04.pas~~	Covers string length, concatenation, copying, insertion, searching, conversion, comparison and manipulation. Results: ~~cov04.log~~
~~cov05.pas~~	Exercises arrays, multidimensional indexing, records, nested records, WITH and structured-data algorithms. Results: ~~cov05.log~~
~~cov06.pas~~	Tests mathematical functions and identities; documents known DL-Pascal 1.2 defects and attempted workarounds. Results: ~~cov06.log~~
~~cov07.pas~~	Exercises the CRT unit: formatted output, cursor and window operations, graphics, sound and timers; skips interactive input. Results: ~~cov07.log~~
~~cov08.pas~~	Tests heap allocation, typed and untyped pointers, dereferencing, address operations, linked lists and SizeOf. Results: ~~cov08.log~~
~~cov09.pas~~	Covers sets and membership operations, text and typed files, file positioning, renaming and deletion. Results: ~~cov09.log~~
~~cov10.pas~~	Tests user-defined units using MATHTOOL: constants, functions, types, initialization and cross-unit calls. Results: ~~cov10.log~~
~~cov11.pas~~	Deep CRT coverage of text/graphics buffers, plotting, lines, display modes, timing and output formatting. Results: ~~cov11.log~~
~~cov12.pas~~	Explores near/far pointers and segment addressing, plus absolute memory across ROM and RAM banks. Results: ~~cov12.log~~
Supporting Files — Regression Testing	
~~MATHTOOL.int~~	Interface declaration for the MathTool unit used by cov10.pas; defines exported constants, TStats, CallCount, and routines. Compile before MATHTOOL.pas; produces MATHTOOL.UNI.
~~MATHTOOL.pas~~	MathTool unit implementation used by cov10.pas; supplies arithmetic, primality, factorial, GCD, and statistical operations. Compile after MATHTOOL.int. The source names MATHTOOL.OLE as its output; the batch script deletes MATHTOOL.DLE.
~~cov.bat~~	Batch driver that compiles and runs the twelve coverage programs and handles regression logs and generated executables. For cov10, it compiles MATHTOOL.int and MATHTOOL.pas before cov10.pas.

The linked regression logs record observed results, including individual failures. Descriptions summarize the supplied test programs and are intended for editorial revision.

Additional DL-Pascal sections and curated Linux examples will be added later.