Code*Xplorer*™ – Overview

CodeXplorer provides interactive descriptions of the statements and variables in a program. It also shows the relationship between the program's statements, variables, and input/output. Flow of control is visualized with arrows for decision structures, repetition, and function calls. Further, code can be copied from CodeXplorer to an IDE or other tool.

Code Example Help: Click on the title of the code example (at top) to see an overall description of the program.

Statement Help: Click on a statement to see:
  - a help box describing the statement
  - variables used in the statement, highlighted in the variable section (at right), also noting:
      -> variable is set in statement
      <- variable is accessed in statement
      <-> variable is both accessed and set in statement
  - if input (via keyboard) or output (to screen) is used in the statement, these are highlighted in the INPUT / OUTPUT section at right.

Variable Help: Click on a variable name (in the right section), to see:
  - a help box describing the variable
  - the statements where the variable is used, highlighted in the code

Input / Output: Click on [display] or [keyboard], to see all statements involving input or output, highlighted in the code.

Flow of Control Visualization: For decision structures (if/elif/else), repetition (while, for), and function calls, program flow is indicated for the selected statement using arrows.

Copy & Paste Code: Click on the [Copy] button, to copy code to the system clipboard, for pasting into:
  - an integrated development environment (IDE), to run the program
  - an AI tool, to ask further questions about the program

Syntax Highlighting is used in the code to distinguish:
  keywords
  variables
  numeric constants
  string constants
  function names
  comments

Line Numbers: Click the [Line #s] check box to show or hide line numbers for the program.