Lab 04 – Selection

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# Q1 – Sort three integers

## Program Sort3

**File name:** (file’s relative path)

**Purpose:** To sort and display in ascending order three integer values entered by the user.

**Packages:** (list of imported packages)

**Limitations:** (input it can’t handle, list of possible error messages, round-off error)

**Bugs:** (list of unfixed bugs)

**Input:** …

**Output:** …

**Pseudocode:**

Algorithm (program name)

START

1. Declare three integer variables (*a*, *b*, and *c*).
2. Input values for each variable from the user.
3. If *a* < *b* then:
   1. If *a* < *c* then:
      1. Print *a*.
      2. If *b* < *c* then:
         1. Print *b*.
         2. Print *c*.
      3. Else:
         1. Print *c*.
         2. Print *b*.
   2. Else:
      1. Print *c*.
      2. Print *a*.
      3. Print *b*.
4. Else:
   1. If *b* < *c* then:
      1. Print *b*.
      2. If *a* < *c* then:
         1. Print *a*.
         2. Print *c*.
      3. Else:
         1. Print *c*.
         2. Print *a*.
   2. Else:
      1. Print *c*.
      2. Print *b*.
      3. Print *a*.

END (program name)

A diagram of a flowchart

Description automatically generated with medium confidence