The Primed Loop Pattern

The **primed-loop pattern** is named after the old-west water pump which required users to pour water down the well to establish suction, before pumping began.



Here's what that looks like in pseudocode:

Prompt user and read in a value
While the value is not the sentinel
Process the data value
Prompt user and read next value

This is the **classic way** to process sentinel data. The code used to read each data value is **duplicated**, **before the loop and at the end of the loop**.

Here's a **primed-sentinel-loop** that sums a sequence, using **0** as the sentinel:



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