

## Worked Example: Random Number Comparator

Create a VI similar to the one shown below, which compares randomly generated numbers between 0 and 1 to a specified limit, and turns an LED on or off accordingly. Experiment with the following features:

- Begin with the specified limit as a constant, but change it to a control such as a slider or a knob.
- Label all controls and indicators appropriately.
- Include a time delay to slow down the “action” as the VI is run continuously.
- Include a control to allow the user to change the delay time between iterations.
- Experiment with the various properties available for the controls and indicators, particularly the digits shown for the random number and the colors of the LED.

