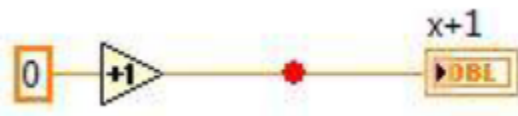


CLAD Homework 6 Questions

1. Which of the following does not conform to data flow programming paradigm?
 - a. Shift Registers
 - b. Tunnels
 - c. SubVIs
 - d. Local Variables
2. You have a front panel control on a top-level VI that you must control from within a subVI. What must you pass to the subVI?
 - a. The control's properties
 - b. The control's methods
 - c. The control's reference
 - d. The control's data type
3. Which chart update mode should be used to show running data continuously scrolling from left to right across the chart?
 - a. Strip Chart
 - b. Scope Chart
 - c. Sweep Chart
 - d. Step Chart
4. The Error list shows all of the following EXCEPT:
 - a. Items with errors
 - b. Errors and warnings
 - c. Details about the warnings
 - d. Error Codes
5. What VI is typically used to terminate an Error Cluster wire and to display any error message?
 - a. Merge Errors
 - b. One Button Dialog/Two Button Dialog
 - c. Generate Front Panel Activity
 - d. Simple Error Handler

6. Which variable is commonly used to eliminate race conditions by preventing simultaneous access to code or data?
- a. Functional global variable
 - b. Local variable
 - c. Global variable
 - d. Shared variable
7. Which of the following will allow you to have multiple plots on a Waveform Graph?
- a. Bundle two 1D arrays of X and Y data together for each plot. Then build an array of these clusters and wire it to the Waveform Graph indicator.
 - b. Build a 2D array of data with each plot in a separate row (or column) in the array, then wire the array to the Waveform Graph indicator.
 - c. Bundle the elements of each waveform into a cluster and build an array of these clusters, then wire the array to the Waveform Graph indicator.
 - d. Both B. and C.
8. In what instance would you use the Probe tool rather than Highlight Execution?
- a. To see the flow of data
 - b. To see the value of a wire in real-time
 - c. To look into a SubVI, as the process is running
 - d. To slowdown the VI and show data values in wires
9. The following breakpoint does which of the following:



- a. Causes the VI to abort
- b. Causes the VI to pause
- c. Causes the VI to single step over the addition
- d. Causes the VI to single step over the indicator

10. You have a control on the front panel of a VI and you need to modify one of its properties at run time. Which of the following is the best approach you would take?

- a. Create an implicit property node and select the property to modify
- b. Create a control reference, pass the reference to a property node and select the property to modify
- c. Create a linked shared variable and select the property to modify the property
- d. Create a local variable and select the property to modify