

**NI**

**Exam CLAD**

**Certified LabVIEW Associate Developer Examination**

Version: 4.0

**[ Total Questions: 80 ]**

**Question No : 1**

Which of the following allows you to plot any set of points, evenly distributed or not?

- A. Waveform Graph
- B. Waveform Chart
- C. XY Graph
- D. Both A. and C.

**Answer: C**

**Question No : 2**

What is an advantage of using a Strictly Typed VI ref num?

- A. The data types of the target VI are known at compile time
- B. The data types passed to the VI can change programmatically
- C. You can flatten the data to a string to improve code performance
- D. Causes dynamically loaded VIs to be loaded at the start of execution

**Answer: A**

**Question No : 3**

Which of the following statements is true about the iteration terminal



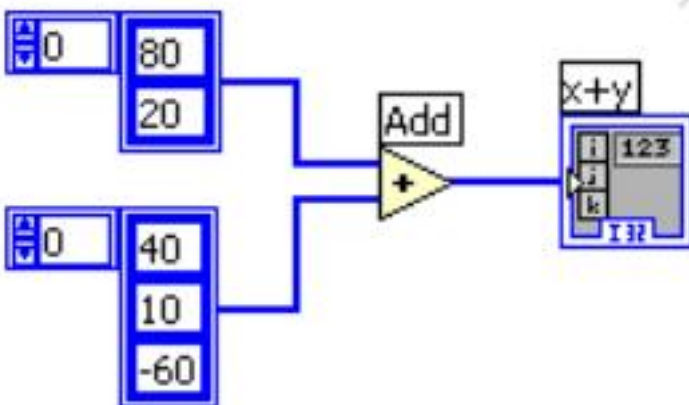
?

- A. It returns the number of times the loop has executed
- B. It returns the number of times the loop has executed, plus one
- C. It returns the number of times the loop has executed, minus one
- D. It returns a constant number

**Answer: C**

**Question No : 4**

What is the result of the following Array addition?

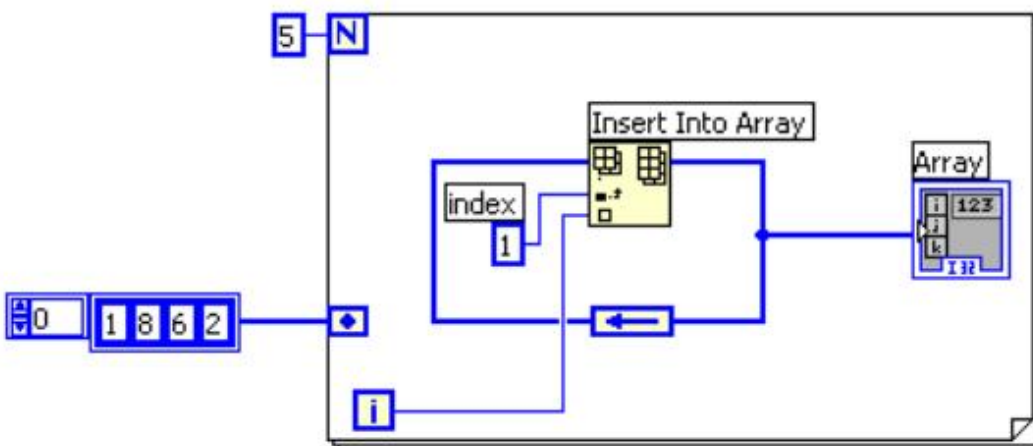


- A. a.1-D Array of {80, 20, 40, 10,-60}
- B. b.1-D Array of {120, 30,-60}
- C. c.1-D Array of {120, 30}
- D. d.2-D Array of {{120, 90, 20}, {60, 30,-40}}

**Answer: C**

**Question No : 5**

What is the result in Array after the following code has executed?



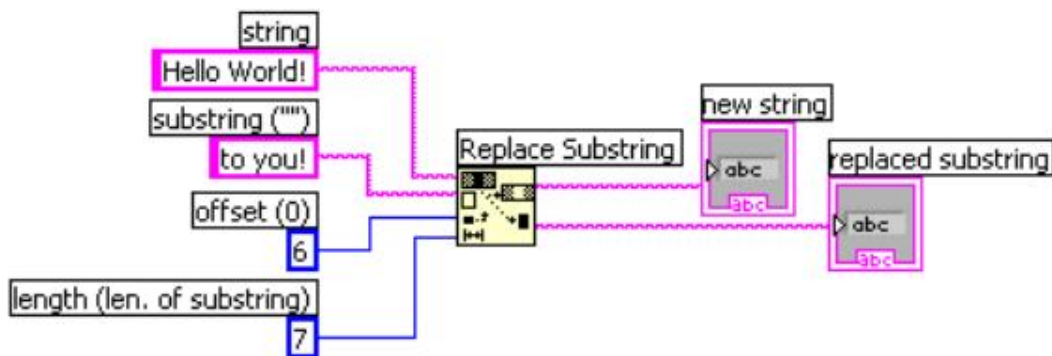
- A. A 1-D array of {1, 4, 3, 2, 1, 0}

- B. A 1-D array of {1, 8, 0, 1, 2, 3, 4, 6, 2}
- C. A 1-D array of {1, 4, 3, 2, 1, 0, 8, 6, 2}
- D. A 1-D array of {1, 8, 0, 1, 2, 2, 9}

**Answer: C**

### Question No : 6

What is the result in new string after the following code has executed?



- A. Hello to you!
- B. Hello Wto you!
- C. Hello to you!!
- D. Helloto you!

**Answer: A**

### Question No : 7

Which combination of words correctly completes the following statement?

Unlike \_\_\_\_\_, which display an entire waveform that overwrites the data already stored, \_\_\_\_\_ update periodically and maintain a history of the data previously stored.

- A. Graphs;Charts
- B. Charts;Plots
- C. Plots; Graphs

D. C harts; Graphs

**Answer: A**

**Question No : 8**

Which of the following is NOT a component of an Error Cluster?

- A. Status.
- B. Code.
- C. Source.
- D. VI name

**Answer: D**

**Question No : 9**


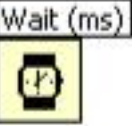
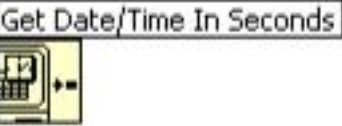
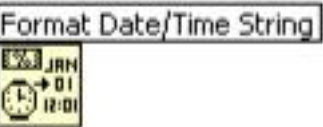
What VI is typically used to terminate an Error Cluster wire and to display any error message?

- A. Merge Errors
- B. One Button Dialog/Two Button Dialog
- C. Generate Front Panel Activity
- D. Simple Error Handler

**Answer: D**

**Question No : 10**

Which timing function (VI) is the best choice for timing control logic in applications that run for extended periods of time?

- A.  Tick Count (ms)
- B.  Wait (ms)
- C.  Get Date/Time In Seconds
- D.  Format Date/Time String

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer: C**

**Question No : 11**

Which of the following apply to Property Nodes? (Choose all apply)

- A. Property Nodes allow attributes of front panel objects to be programmatically manipulated.
- B. Property Nodes can be used to update the values contained in a front panel object.
- C. More than one Property Node can be used for a single front panel object.
- D. Property Nodes contained in a SubVI will always cause the front panel to be loaded in memory.

**Answer: A,B,C,D**

**Question No : 12**

What is the output of the Initialize Array function after the following code has executed?

- A. a.1-D Array of {3, 3, 3, 3}
- B. b.1-D Array of {4, 4, 4}
- C. c.1-D Array of {3, 4}
- D. d.1-D Array of {4, 3}

**Answer: A**

**Question No : 13**

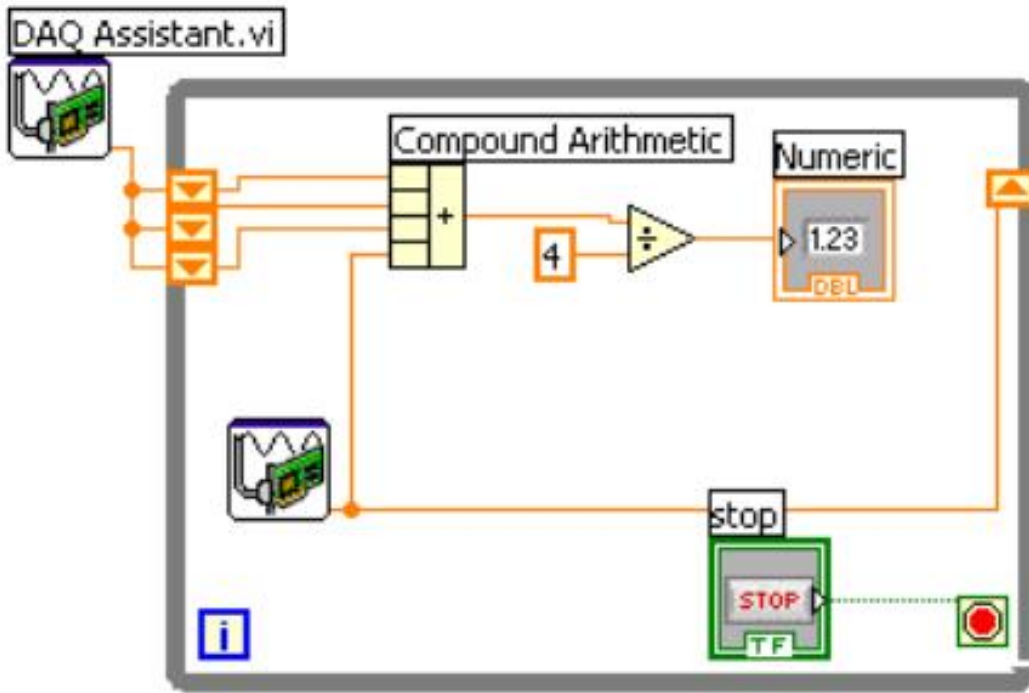
If an input name on the Show Context Help window is in bold for a SubVI, which of the following conditions are true? (Choose all apply)

- A. Input values must be scalar.
- B. An input is recommended, but not required.
- C. An input is required.
- D. A broken run arrow will result unless the input is wired.

**Answer: C,D**

**Question No : 14**

Which of the following accurately describes the output that results from execution of the following loop?



- A. The last three values from the DAQ Assistant will be displayed.
- B. A running average of all measurements will be displayed.
- C. An average of the last four measurements will be displayed.
- D. None of the above

Answer: C

**Question No : 15**

Which of the following graphs matches the result in Comparison Values after the following code has executed?

