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QUESTION 1

Under which of the following conditions does a For loop stop executing?

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 2

Which of the following functions assembles Cluster elements by their owned labels?

A. Unbundle by Name

B. Unbundle

C. Bundle by Name

D. Bundle

Correct Answer: C

QUESTION 3

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

Correct Answer: A

QUESTION 4

Which of the following statements regarding the index of Arrays are NOT true?

A. The index is used to access a particular element of an Array.

B. The index ranges from 1 to n.

C. A 2-D Array has both a column index and a row index.

D. The index ranges from 0 to n-1.

Correct Answer: B

QUESTION 5

Which is the correct order for the signal to propagate through components when acquiring a signal?

A. Sensor>Terminal Block>DAQ>LabVIEW

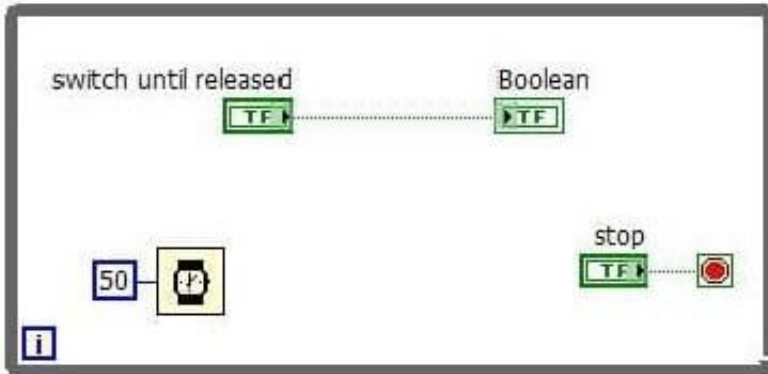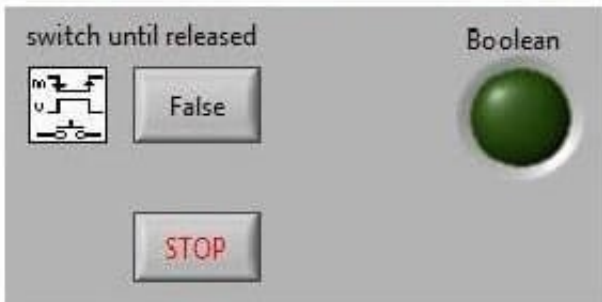B. DAQ>Sensor>Terminal Block>LabVIEW

C. Terminal Block>LabVIEW>Sensor>DAQ

D. Sensor>DAQ>Terminal Block>LabVIEW

Correct Answer: B

QUESTION 6

Consider the VI and user actions.

What value will be displayed in the Boolean indicator at 7 seconds and 17 seconds, respectively?

Time in Seconds	User Action
0	Clicks **Run** Arrow
5	Press the **switch until released** button
8	Releases the **switch until released** button
15	Press the **switch until released** button
16	Releases the **switch until released** button
20	Clicks the **stop** button

A. TRUE, TRUE

B. FALSE, TRUE

C. FALSE, FALSE

D. TRUE, FALSE

Correct Answer: A

QUESTION 7

What is one disadvantage of using the State Machine VI architecture?

A. A State Machine can only traverse states in order

B. If two state changes occur at the same time, only the first state change will be handled and the second will be lost
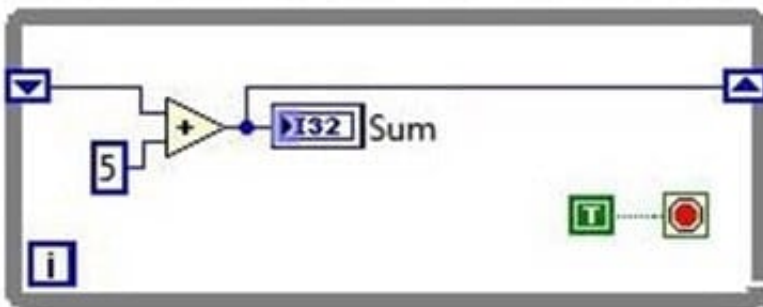
C. The diagram becomes significantly larger when changing from a general architecture to a State Machine

D. State Machines cannot acquire data or use DAQ functions

Correct Answer: B

QUESTION 8

The SubVI is opened and then run three times.

What is the value of Sum when the VI completes execution?

A. Indeterminate

B. 15

C. 5

D. 10

Correct Answer: B

QUESTION 9

Which of the following display options are available for strings on the Front Panel?

A. `\\\' Codes

B. Password

C. Hex

D. All of the above

Correct Answer: D

QUESTION 10

Clicking on the _____ button allows you to bypass a node in the Block Diagram without single-stepping through the
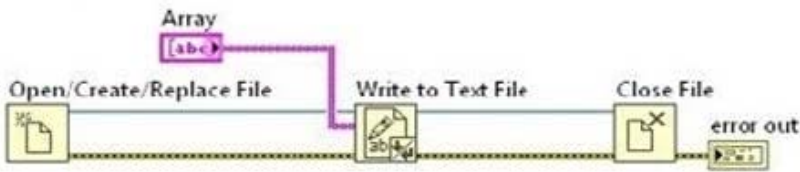
node.

A. Step Into

B. Step Over

C. Step Out

D. Step Through

Correct Answer: B

QUESTION 11

When run, this VI will: A. Error because no file path and no prompt are specified

B. Write to a default text file in the application directory

C. Prompt for the location of an existing file and write to that file

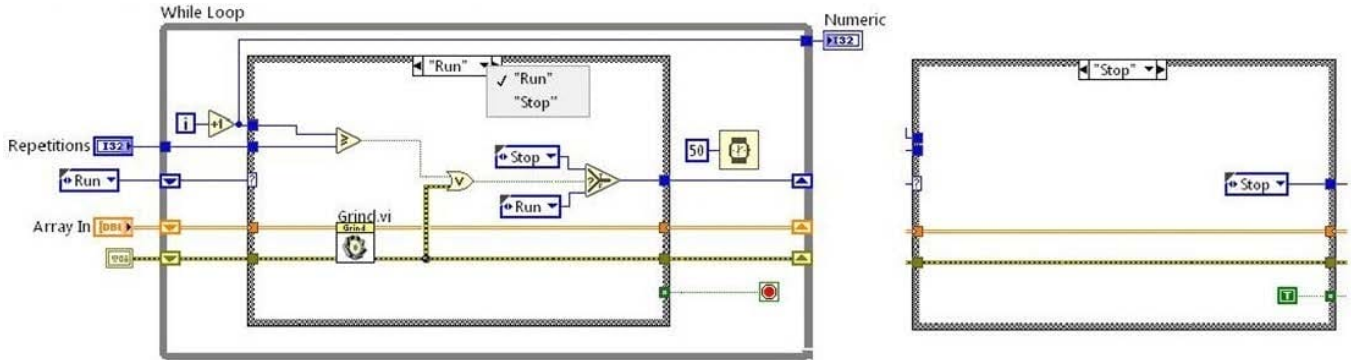D. Prompt for a location to create a text file and write to that file

Correct Answer: D

QUESTION 12

This VI is started with a value of 7 in the Repetitions control.

The SubVI Grind.vi returns an error the fifth time it runs.

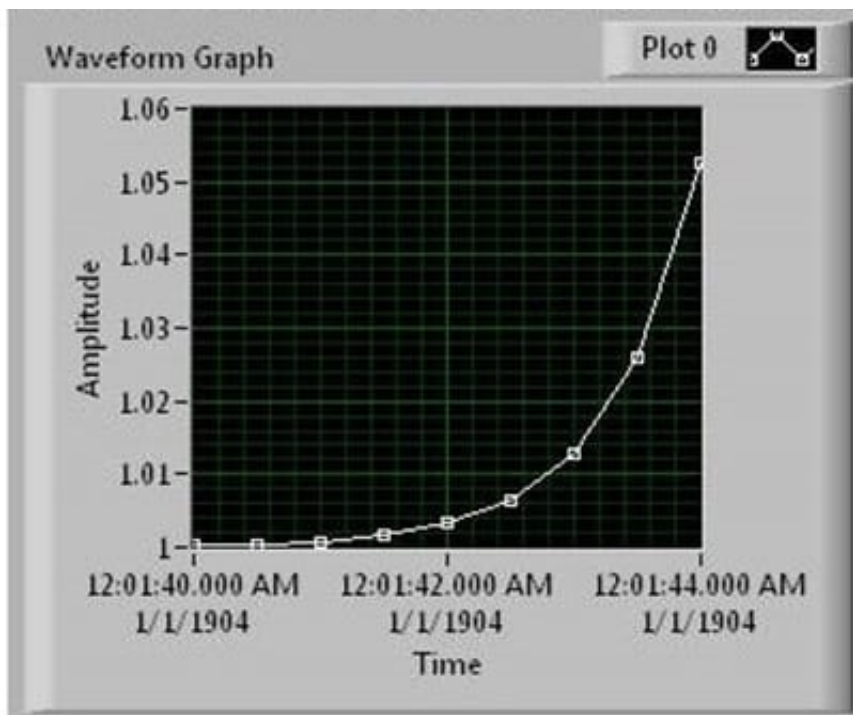What is the value in the Numeric indicator after this VI has run?

A. 6

B. 5

C. 4

D. 7

Correct Answer: B

QUESTION 13

Which code will produce this front panel? (Time zone set to UTC+00:00)

A.

B.

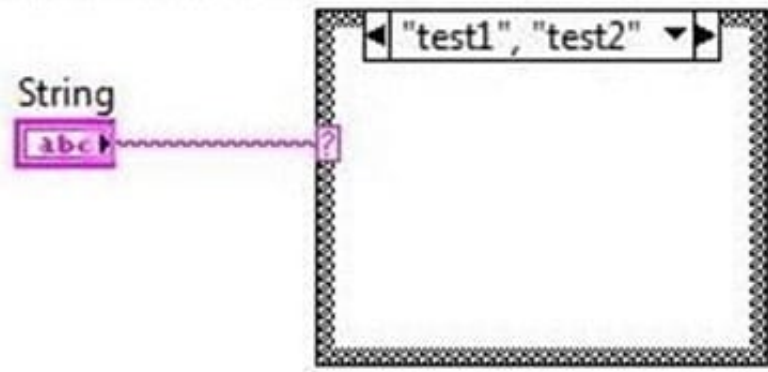C.

D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 14

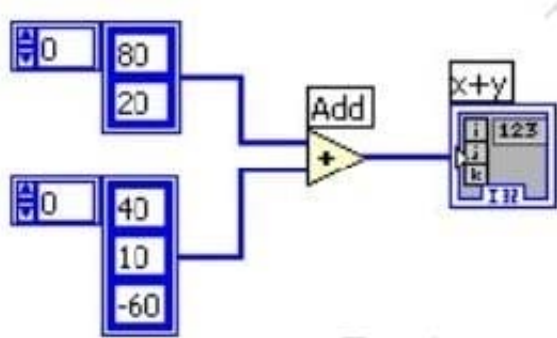Which of the following scenarios would case this VI to be broken?

A. String has a default value other than "test1" or "test2"

B. Handling more than one value of String in the same case

C. The case structure does not have a Default case

D. The selector tunnel is not wired within the case structure

Correct Answer: C

QUESTION 15

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}}

Correct Answer: C

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