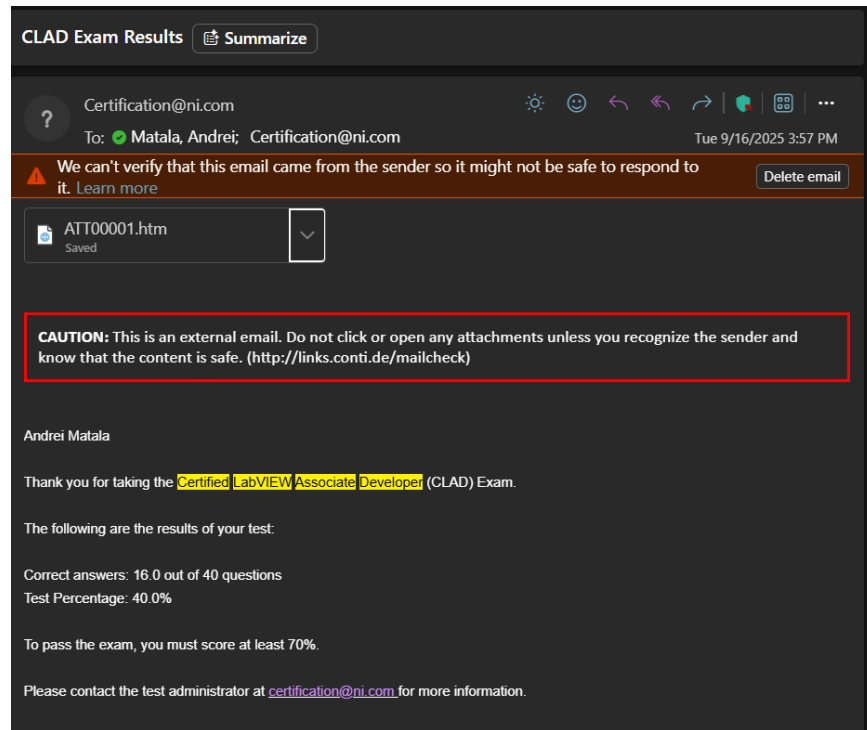


Results from CLAD Exam



Conclusions from ATT00001.htm file:

Areas where I Excelled (100%)

1. Acquire Signal (Data) – 100%

Acquisition flow, timing, and synchronization - exactly what I have been doing hands-on with Function Generators (FGEN) modules, DMMs, data loggers, and similar equipment.

2. Connect Hardware (Sensors, DAQ, DUT) – 100%

Practical experience with racks, instruments, VISA communication, SCPI commands, initialization/close sequences, and resource mapping.

3. Create & Debug a SubVI – 100%

Considering how many drivers and modules I have been encapsulated into SubVIs (FGEN Manager, Kikusui classes, ogFile utilities, UPS Manager, etc.).

4. Continuous HW Acquisition/Generation (Open-Config-Loop-Close Model) – 100%

Mental model I used daily in automotive testing environments.

5. O Function(s) – 100%

Understanding of individual LabVIEW functions and the structure of basic operations, such as File I/O.

6. Single-Shot Execution – Predict Order – 100%

Interpreting wire dependency, execution order, and dataflow determinism correctly.

7. Recognize Data Types from Wires – 100%

Experience working with clusters, arrays, waveforms, and error clusters, identifying data types visually is effortless.

Mid performs (50% – 66%)

- Retain Data in Shift Registers – 50%
- Simple State Machines – 50%
- Bundle/Unbundle by Name – 50%
- Close Model for File I/O – 50%
- Sampling Rate – 66%

Low Score

As I know, these results reflect theoretical questions in areas where the test content differed from your real-world practice. These areas often require textbook-style answers rather than practical expertise, which explains the discrepancy. But, of course, these are my results and I consider them:

Data Flow in Event-Driven UI – 0%

Data Flow in Parallel Loops – 0%

Error Handling (Merge Errors) – 0%

For Loop theory – 0%

Extracting Channels with Index Array – 0%

Array Functions – 20%

While/For Loops usage – 33%

Troubleshooting incorrect data – 0%

Updating GType definitions – 0%

Processing each waveform channel – 0%

Predict behavior of Acquire–Analyze–Visualize VI – 0%

Conditional execution based on input/result – 0%

Placing correct controls/indicators – 33%

Htm file content:

Subject Summary:

Subject: Acquire Signal (Data) (early validation, pre-programming)
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: Close model for file IO
Questions: 2 Points: 2.0
Score: 1.0 Percent: 50.0%

Subject: Connect Hardware (Sensors, DAQ, DUT)
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: Create and debug a subVI
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: Create continuous HW acquisition or generation loop by applying Open-Configure-PerformOperationInLoop-Close model.
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: Data Flow in Event-Driven UI Handler
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Data Flow in Parallel Loops
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Data Flow in Simple State Machines
Questions: 2 Points: 2.0
Score: 1.0 Percent: 50.0%

Subject: Error Handling -- Use error clusters and merge error functions to ensure errors handled well.
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: For loop
Questions: 2 Points: 2.0
Score: 0.0 Percent: 0.0%

Subject: Given a 1D waveform array representing acquired data from multiple channels, extract a single channel of waveform data. (use Index Array function)
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Modify cluster element data using Bundle By Name, Extract cluster element data using Unbundle By Name
Questions: 2 Points: 2.0
Score: 1.0 Percent: 50.0%

Subject: O function(s)
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: O function(s)
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: place Appropriate Controls, Indicators, Data Types, Functions for given scenario
Questions: 3 Points: 3.0
Score: 1.0 Percent: 33.33%

Subject: Predict behavior of an existing simple Acquire-Analyze-Visualize VI
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Predict order-of-execution and behavior of an existing "single-shot" VI.
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: processing code on each channel of waveform data.
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Recognize data type on Panel and Diagram from terminals and wires
Questions: 1 Points: 1.0
Score: 1.0 Percent: 100.0%

Subject: Retain Data in shift registers
Questions: 2 Points: 2.0
Score: 1.0 Percent: 50.0%

Subject: Sampling Rate
Questions: 3 Points: 3.0
Score: 2.0 Percent: 66.67%

Subject: Troubleshoot -- identify & correct the cause of incorrect Data
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Update G Type to propagate changes to all instances of the G Type.
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%

Subject: Use common Array Functions as Appropriate
Questions: 5 Points: 5.0
Score: 1.0 Percent: 20.0%

Subject: Use for loop and While Loops appropriately
Questions: 3 Points: 3.0
Score: 1.0 Percent: 33.33%

Subject: Write code that performs conditional action based on value of a user input or a measurement result
Questions: 1 Points: 1.0
Score: 0.0 Percent: 0.0%