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VEE: How Might I Best Design My VEE Program?

KEYSIGHT TECHNOLOGIES

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* VEE PROGRAMMING TIPS: The best way to optimize a VEE program is to make sure it is designed properly in the first place. Here are some simple suggestions for good VEE program design:

1. Define the problem and its constraints.

2. Identify a logical order and sequence for each task within the problem.

3. Define each subtask within each task.

4. Continue defining each subtask into manageable units.

5. Implement these tasks as logical units (like User Objects or User Functions) within VEE. Use nested objects where possible to reduce visual clutter.

6. Iconify objects whenever possible. This reduces screen re-painting time.

7. You may have objects that you do not really need. Also, check program flow; you may be executing objects in an inefficient order.

8. Combine as many calculations as possible into a single Formula object. This reduces the number of incremental Formula objects that need to be executed.

9. Use a Windows® or UX "Execute Program" object to execute a program that does not need to pass info back to VEE. (for example, a C program that sets up a printer.)

10. Use an Import Library object to call and execute compiled functions that pass data back to VEE (for example, a C program that triggers an instrument to take readings and pass them back to VEE for processing.)

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