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Types of Errors

- Compile Time (syntax)
 - VB error scanning detects errors made on a single line.
- Run Time
 - Failure during run time (eg. divide by zero)
 - IDE gives an error message and highlights offending line.
- Logical
 - Program doesn't behave as expected.



Tracing - Print & Assert

Syntax: Debug.Print expression Behavior: Prints values of variables or expressions as text in the "Immediate" window.

Syntax: Debug.Assert (expression) Behavior: Forces a design-time break at the Assert statement when the expression evaluates to False. If the expression evaluates as True, program operation continues.



Step Into/Over/Out

- Step Into starts program then stops before 1st executable, or steps line by line. Enters subroutines and functions.
- Step Over skips current line (but not its execution). Doesn't enter subroutines or functions.
- Step Out leaves current subroutine and pauses at next expression in the calling code.





