

Variable Scopes

Variable Scope

- Define areas wherein the variables are in effect or are usable
- Variable scope is controlled through declaration
- Knowing where to declare a variable will change the range of its usability

Variable Classification

- From a variable scope perspective, a variable may be classified as:
 - Local / Automatic variables
 - Class variables

Note: Class variables may be given modifiers that changes its level of accessibility even further.

Local Variables

- Variables declared within an event block or a function block
- Local variables are usable only within the event block or function block that it was declared in
- Using local variables outside the block that it was declared in will generate a compiler error

Class Variables

- Variables that are defined within a class
- Class variables may be accessed by all event blocks or function blocks within the same class
- Modifiers may be given to class variables to make variables accessible from outside the class (see class demo)
- Some class variable modifiers are:
 - private
 - public