

## HW2

**Textbook for this Course:** Starting out with visual basic seventh edition.

**Slides for chapter 3 can be found on the course website:** [cse.sc.edu/~fyan/csce204](http://cse.sc.edu/~fyan/csce204).

Description:

Read Slides or Text book Chapter, read through 3.1 to 3.5 and answer all the questions:

**Due:** Feb 3rd

Note: if you can not find the answer from the slides, try to search online or read the textbook. All the questions can find answers from the textbook.

Submit a pdf version of your answers, including the questions.

Questions fill in the blank:

1. A \_\_\_\_\_ Variable \_\_\_\_\_ is a storage location in the computer's memory, used for holding information while the program is running.
2. A \_\_\_\_\_ Declaration \_\_\_\_\_ is a statement that causes Visual Basic to create a variable in memory.
3. A variable's \_\_\_\_\_ Data Type \_\_\_\_\_ determines whether a variable can hold a string an integer, a date or some other kind of data.
4. A \_\_\_\_\_ local Variable \_\_\_\_\_ variable is declared inside a procedure.
5. When Option Strict is set to \_\_\_\_\_ On/True \_\_\_\_\_, only widening conversions are permitted.
6. A \_\_\_\_\_ Function \_\_\_\_\_ is a specialized routine that performs a specific operation and then returns a value.
7. The \_\_\_\_\_ CInt \_\_\_\_\_ function converts an expression to an integer.
8. A \_\_\_\_\_ Parameters/ Arguments \_\_\_\_\_ is information that is passed to a function when the function is called.
9. When two operators share on an operand, the operator with highest \_\_\_\_\_ precedence \_\_\_\_\_ executes first.

Briefly answer the following questions:

1. Which character is the string concatenation operator?  
&
2. Declare a constant variable that stores annual rate with a data type of integer. Write down your answer in Visual Basic programming language.  
Const intAnnualRate As Integer
3. What is the meaning of "scope" of a variable?  
Scope is a section of code where a variable lives and resides in.
4. When is a variable destroyed?  
When the variable reaches the end of it's scope.

5. Show me an example of how to use a function in Visual Basic to convert a string variable "123" to an integer variable 123.

`CInt("123")`

6. What is an object in visual basic.

An **object** is a combination of code and data that can be treated as a unit.