

**Part I – True/False**

1. An Integer variables uses less memory than a Double variable.
2. Statements that declare constants begin with the keyword Const.
3. A module variable has narrower scope than a local variable.
4. `grandTotal = appleSubtotal + donutSubtotal` is an assignment statement.
5. `14 Mod 5` is 4.
6. The expression `2 ^ x` evaluates to 8 if x is 3 .

**On the back of the paper, make up 5 more true/false questions from our lecture notes and provide the answers.**

**Part II – Evaluate the following expressions. Be sure to enclose string values in double quotes. If an error would occur, print "error". Assume that `num1 = 10` , `sum = 23` and `num2 = "8"` .**

7. `Str(num1) + num2` \_\_\_\_\_
8. `8 * Val(num2)` \_\_\_\_\_
9. `num2 * 1 ^ num1` \_\_\_\_\_
10. `12 - 4 + 5` \_\_\_\_\_
11. `num1 * (2 * num1 ^ 2)` \_\_\_\_\_

**Part III – Write a VB statements that perform the following tasks. You can assume that any necessary variables have been declared unless you are specifically asked to write a declaration statement.**

12. Write an **assignment statement** that sets the `Text` property of a label named `lblMessage` to the phrase "Hello world".
13. Write a **declaration statement** that declares an `Integer` variable named `score` & initializes it to the value 0 .
14. Write an **assignment statement** that stores the product of 0.06 times `price` to the variable named `total`. You can assume that `price` and `total` have been declared.

15. Write an **assignment statement** that computes the amount of 6% sales tax that would be applied to a customer's purchase of several coffee cups and stores that tax amount in the variable `taxAmount`. You can assume that the price of the coffee cup is stored in the variable `COFFEE_CUP_PRICE` and that the number of coffee cups purchased is stored in the variable `numCups`. Only the amount of the tax should be stored in `taxAmount` and not the whole amount of the cost of the coffee cups.

16. On the back, neatly print the Hello World program that you memorized the first week of school.

**Part IV – Essay – Answer each of the following question(s) as completely as possible on the back.**

17. Give details of two important data types that have been studied in this course.