# 3.7 Fill in the blanks

a) ***Comments*** are used to document an app and improve its readability.

b) A decision can be made in a C# app with a(n) ***if statement***.

c) Most calculations are normally performed in ***assignment*** statements.

d) The arithmetic operators with the same precedence as multiplication are ***modulus*** and ***division***.

e) When parameters in an arithmetic expression are nested, the ***innermost*** set of parenthesis is evaluated first.

f) A location in the computer’s memory that may contain different values at various times throughout the execution of an app is called a(n) ***variable***.

# 3.9 True or False if false explain why

a) C# operators are evaluated left to right. ***False, the innermost set of parenthesis is evaluated first.***

b) The following are all valid variable names:\_under\_bar, m928134, t5, j7, her\_sales, his\_account\_total, a, b, c, z, and z2. ***True***

c) A valid C# arithmetic expression with no parentheses is evaluated from left to right. ***False, \* ,/ , and % are evaluated first then + and -.***

d) The following are invalid variable names: 3g, 87, 67h2, h22 and 2h. ***True***

## 3.13 (Order of Evaluation) State the order of the operators in each of the following C# statements and show the value of X after each statement is performed:

a) x = 7 + 3 \* 6 / 2 – 1;

***1.x = 7 + 18 / 2 – 1;***

***2.x = 7 + 9 – 1;***

***3.x = 16 – 1;***

***4.x = 15;***

b) x = 2 % 2 + 2 \* 2 – 2 / 2;

***1.x = 0 + 2 \* 2 – 2 / 2;***

***2.x = 4 – 2 / 2;***

***3.x = 4 – 1;***

***4.x = 3;***

c) x = ( 3 \* 9 \* ( 3 + ( 9 \* 3 / ( 3 ) ) ) );

***1.x = (3 \* 9 \* (3 + 9));***

***2.x = (3 \* 9 \* 12);***

***3.x = 324;***

## - From the Chapter 3 Video Notes:

For a vast majority of the examples in the textbook, a solution will contain how many projects? ***1***

In the 4th video (Section 3.5) what is displayed when the presented changes the format items to be {1} {0}?

***C# Programming!***

***Welcome to***

In the 5th video (Section 3.6/3.7), what happened when the user entered “hello” in response to the second prompt? ***Unhandled exception: System.FormatException: Input string was not in a correct format.***