**Discussion Questions Ch 3**

1. What is an iteration?

Answer: repeat actions

1. True or False: When two arguments are supplied to range, the count ranges from the first argument to the second argument minus 1.

Answer: True

1. True or False: The third argument of the range function specifies the upper bound of the count.

Answer: False -> step value

1. The total number of data characters and additional spaces for a given datum in a formatted string is called which of the following?
2. step value
3. string width
4. field width
5. loop value

Answer: c. field width

1. The interval between the numbers used in the range is known as which of the following?
2. step value
3. range value
4. field width
5. string width

Answer: a. step value

1. In Python, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ literals can be written in several ways, but most programmers prefer the use of the standard values True and False.

Answer: boolean

1. What is a two-way selection statement?

Answer: The if-else statement is the most common type of selection statement. It is also called a two-way selection statement, because it directs the computer to make a choice between two alternative courses of action.

1. True or False: Python includes all three Boolean or logical operators, and, or, and xor.

Answer: False -> and, or, not

1. Which of the following requires that a condition be tested within the loop to determine whether the loop should continue?
2. short-circuit evaluation
3. definite iteration
4. multi-way selection
5. conditional iteration

Answer: d. conditional iteration

1. The while loop is also called which type of loop, because its condition is tested at the top of the loop?
2. entry-control
3. multi-way
4. top-level
5. conditional

Answer: a. entry-control

1. Which type of statement causes an exit from the loop that contains it?
2. conditional
3. else
4. break
5. what-if

Answer: c. break