**Discussion Questions Chapter 5**

1. The logical structure of a list resembles the structure of which of the following?
2. dictionary
3. range
4. string
5. subscript

Answer: c. string

1. True or False: The is operator can be used to detect the presence or absence of a given element in a list.

Answer: False -> in operator

1. True or False: A list is immutable.

Answer: False -> A list is mutable

1. Which of the following methods expects the new element as an argument and adds the new element to the end of the list?
2. append
3. expand
4. insert
5. search

Answer: c. insert

1. In Python, you indicate a tuple literal by enclosing its elements in which of the following?
2. {}
3. “ “
4. []
5. ()

Answer: d. ()

1. The header of a function consists of which reserved word followed by the function’s name, followed by a parenthesized list of parameters, followed by a colon?
2. return
3. main
4. function
5. def

Answer: d. def

1. Which type of function usually tests its argument for the presence or absence of some property?
2. return
3. main
4. Boolean
5. square

Answer: c. Boolean

1. True or False: A dictionary associates a set of indexes with data values.

Answer: True

1. True or False: [] is an empty dictionary.

Answer: False -> {}

1. If the existence of a dictionary key is uncertain, the programmer can test for it using the dictionary method has\_key. However, an easier strategy is to use which method?
2. return
3. get
4. main
5. print

Answer: b. get