What are the data items in the list called?

|  |  |
| --- | --- |
| a. | data |
| b. | elements |
| c. | items |
| d. | values |

ANS: B

Which list will be referenced by the variable number after the execution of the following code?

number = range(0, 9, 2)

|  |  |
| --- | --- |
| a. | [0, 1, 2, 3, 4, 5, 6, 7, 8, 9] |
| b. | [1, 3, 5, 7, 9] |
| c. | [2, 4, 6, 8] |
| d. | [0, 2, 4, 6, 8] |

ANS: D

What would you use if an element is to be removed from a specific index?

|  |  |
| --- | --- |
| a. | del statement |
| b. | remove method |
| c. | index method |
| d. | slice method |

ANS: A

What method can be used to place an item in the list at a specific index?

|  |  |  |
| --- | --- | --- |
| a. | append |  |
| b. | index |  |
| c. | insert |  |
| d. | Add |  |

ANS: C

What would be the value of the variable list after the execution of the following code?

list = [1, 2]

list = list \* 3

|  |  |  |
| --- | --- | --- |
| a. | [1, 2] \* 3 |  |
| b. | [3, 6] |  |
| c. | [1, 2, 1, 2, 1, 2] |  |
| d. | [[1, 2], [1, 2], [1, 2]] |  |

ANS: C

What method or operator can be used to concatenate lists?

|  |  |  |
| --- | --- | --- |
| a. | \* |  |
| b. | + |  |
| c. | % |  |
| d. | concat |  |

ANS: B

What would be the value of the variable list2 after the execution of the following code?

list1 = [1, 2, 3]

list2 = list1

list1 = [4, 5, 6]

|  |  |  |
| --- | --- | --- |
| a. | [1, 2, 3] |  |
| b. | [4, 5, 6] |  |
| c. | [1, 2, 3, 4, 5, 6] |  |
| d. | invalid code |  |

ANS: B

The primary difference between a tuple and list is that \_\_\_\_\_.

|  |  |  |
| --- | --- | --- |
| a. | when creating a tuple you don’t use commas to separate elements |  |
| b. | a tuple can only include string elements |  |
| c. | a tuple cannot include lists as elements |  |
| d. | once a tuple is created, it cannot be changed |  |

ANS: D

1. What are the valid indexes for the string ‘New York’?

|  |  |
| --- | --- |
| a. | 0 through 7 |
| b. | 0 through 8 |
| c. | -1 through -8 |
| d. | -1 through 6 |

ANS: A

2. What will be assigned to s\_string after the execution of the following code?

special = ‘1357 Country Ln.’

s\_string = special[ :4]

|  |  |
| --- | --- |
| a. | ‘7’ |
| b. | ‘1357’ |
| c. | ‘1357 ‘ |
| d. | Invalid code |

ANS: B

4. What will be assigned to the string variable even after the execution of the following code?

special = ‘0123456789’

even = special[0:10:2]

|  |  |
| --- | --- |
| a. | ‘13579’ |
| b. | ‘2468’ |
| c. | ‘02468’ |
| d. | Invalid code |

ANS: C

5. What will be assigned to s\_string after the execution of the following code?

special = ‘1357 Country Ln.’

s\_string = special[-3: ]

|  |  |
| --- | --- |
| a. | ‘531’ |
| b. | ‘Ln.’ |
| c. | ‘ Ln.’ |
| d. | ‘7531’ |

ANS: B

6. If the start index is \_\_\_\_\_ the end index, the slicing expression will return an empty string.

|  |  |
| --- | --- |
| a. | equal to |
| b. | less than |
| c. | greater than |
| d. | not equal to |

ANS: C

7. Which of the following string methods can be used to determine if a string contains only ‘\n’ characters?

|  |  |  |
| --- | --- | --- |
| a. | ischar() |  |
| b. | isalpha() |  |
| c. | istab() |  |
| d. | isspace() |  |

ANS: D

8. What is the return value of the string method lstrip()?

|  |  |
| --- | --- |
| a. | The string with all whitespace removed |
| b. | The string with all leading spaces removed |
| c. | The string with all leading tabs removed |
| d. | The string with all leading whitespaces removed |

ANS: D

10. Which list will be referenced by the variable list\_strip after the execution of the following code?

list\_string = ’03/07/2008’

list\_strip = list\_string.split(‘/’)

|  |  |
| --- | --- |
| a. | [‘3’, ‘7’, ‘2008’] |
| b. | [‘03’, ‘07’, ‘2008’] |
| c. | [‘3’, ‘/’, ‘7’, ‘/’, ‘2008’] |
| d. | [‘03’, ‘/’, ‘07’, ‘/’, ‘2008’] |

ANS: B

1. A(n) \_\_\_\_\_ is a set of real-world objects, parties, and major events related to the problem.

|  |  |
| --- | --- |
| a. | class |
| b. | problem domain |
| c. | object |
| d. | instance |

ANS: B

9. When a method is called, what does Python make to reference the specific object on which the method is supposed to operate?

|  |  |
| --- | --- |
| a. | state variable |
| b. | self parameter |
| c. | object data |
| d. | init procedure |

ANS: B

11. What is, conceptually, a self-contained unit that consists of data attributes and methods that operate on the data attributes?

|  |  |
| --- | --- |
| a. | Class |
| b. | Object |
| c. | Instance |
| d. | Module |

ANS: B

13. What is the combining of data and code in a single object known as?

|  |  |
| --- | --- |
| a. | Modularity |
| b. | Instantiation |
| c. | Encapsulation |
| d. | Objectification |

ANS: C