**ITMD 413/513 (Chapter 8 – More on Strings) -solutions**

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

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

special = ‘1357 Country Ln.’

s\_string = special[4: ]

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

ANS: C

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

9. What will be assigned to the string variable pattern after the execution of the following code?

i = 3

pattern = ‘z’ \* (5\*i)

|  |  |
| --- | --- |
| a. | ‘zzzzzzzzzzzzzzz’ |
| b. | ‘zzzzz’ |
| c. | Error: ‘\*’ operator used incorrectly |
| d. | The right side of the ‘\*’ must be an integer. |

ANS: A

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

11. What is the first negative index in a string?

|  |  |  |
| --- | --- | --- |
| a. | 0 |  |
| b. | -1 |  |
| c. | -0 |  |
| d. | Size of the string minus one |  |

ANS: B

12. Which method would you use to determine whether a substring is present in a string?

|  |  |  |
| --- | --- | --- |
| a. | endswith(*substring*) |  |
| b. | find(*substring*) |  |
| c. | replace(*string, substring*) |  |
| d. | startswith(*substring*) |  |

ANS: B

13. Which method would you use to determine whether a substring is the suffix of a string?

|  |  |  |
| --- | --- | --- |
| a. | endswith(*substring*) |  |
| b. | find(*substring*) |  |
| c. | replace(*string, substring*) |  |
| d. | startswith(*substring*) |  |

ANS: A

14. What is the value of the variable string after the execution of the following code?

string = 'abcd'

string.upper()

|  |  |  |
| --- | --- | --- |
| a. | 'abcd' |  |
| b. | 'Abcd' |  |
| c. | 'ABCD' |  |
| d. | Invalid code |  |

ANS: C

15. What is the value of the variable string after the execution of the following code?

string = 'Hello'

string += ' world'

|  |  |  |
| --- | --- | --- |
| a. | 'Hello' |  |
| b. | ' world' |  |
| c. | 'Hello world' |  |
| d. | Invalid code |  |

ANS: C