|  |
| --- |
| **Discussion Questions Ch 7** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. A(n) \_\_\_\_ is a variable that holds a memory address.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | reference | b. | Character | |  | c. | buffer | d. | immutable |  |  |  | | --- | --- | | *REFERENCES:* | Page 354 | |

|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2. The Character class \_\_\_\_ from java.lang.Object.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | calls | b. | inherits | |  | c. | refers | d. | spawns |  |  |  | | --- | --- | | *REFERENCES:* | Page 356 | |

|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3. The String class \_\_\_\_ method evaluates the contents of two String objects to determine if they are equivalent.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | equals() | b. | toString() | |  | c. | charAt() | d. | replace() |  |  |  | | --- | --- | | *REFERENCES:* | 361 | |

|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. The method header of the equals() method within the String class is \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | public boolean equals(Strings) | |  | b. | private boolean equals(String s) | |  | c. | public boolean equals(String s) | |  | d. | public boolean equals(Character s) |  |  |  | | --- | --- | | *REFERENCES:* | 362 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. The \_\_\_\_ method allows you to replace all occurrences of some character within a String.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | substring() | b. | toString() | |  | c. | replaceCharacter() | d. | replace() |  |  |  | | --- | --- | | *REFERENCES:* | 366 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. The \_\_\_\_ method converts any object to a String.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | convertString() | b. | toString() | |  | c. | replace() | d. | substring() |  |  |  | | --- | --- | | *REFERENCES:* | 366 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7. The creators of Java chose \_\_\_\_ characters as the “extra” length for a StringBuilder object.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 12 | b. | 16 | |  | c. | 36 | d. | 48 |  |  |  | | --- | --- | | *REFERENCES:* | 377 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. The \_\_\_\_ method lets you add characters at a specific location within a StringBuilder object.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | charAt() | b. | insert() | |  | c. | append() | d. | setCharAt() |  |  |  | | --- | --- | | *REFERENCES:* | 378 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9. You can tell that the equals() method takes a \_\_\_\_ argument because parentheses are used in the method call.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | String | b. | Null | |  | c. | Double | d. | Boolean |  |  |  | | --- | --- | | *REFERENCES:* | 362 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10. Which of the following correctly declares and initializes a String object?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | new String = Hello | b. | String greeting == "Hello"; | |  | c. | String greeting = "Hello"; | d. | String new = "Hello" |  |  |  | | --- | --- | | *REFERENCES:* | 359 | |