Discussion Questions Ch 9

1. When you place objects in order, beginning with the object that has the lowest value, you are sorting in \_\_\_\_ order.

Answer: descending

1. True or False: In a binary sort, you continue to compare pairs of items, swapping them if they are out of order, so that the smallest items “bubble” to the top of the list, eventually creating a sorted list.

Answer: False -> Bubble sort

1. When mathematicians use a(n) \_\_\_\_ array, they often call it a matrix or a table.

Answer: two-dimentional

1. True or False: It is important that the list be in order before you use it in a call to binarySearch().

Answer: True

1. The Arrays.sort() method can sort your custom classes.

Answer:

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1. By definition, an ArrayList’s \_\_\_\_ is greater than or equal to its size.

Answer: capacity

1. Starting with Java 7, you can use comparison operators with enumeration constants instead of using the \_\_\_\_ method to return a number.

Answer: compareTo()

1. True or False: You can use enumerations to control a switch structure.

Answer: True

1. Programmers say using enums makes the values \_\_\_\_.

Answer: type-safe

1. Use the \_\_ operator to specify the data type that will be held in your ArrayList.

Answer: <>