

Term	Definition
<b>Arraylist</b>	An ArrayList's capacity is the number of items it can hold without having to increase its size.
<b>Arraylist class</b>	The <b>ArrayList</b> class provides a dynamically resizable container that stores lists of objects.
<b>Arrays class</b>	The Java <b>Arrays</b> class is a built-in class that contains many useful methods for manipulating arrays, such as methods to search, fill, compare, and sort arrays.
<b>Ascending</b>	When you place objects in order, beginning with the object that has the lowest value, you are sorting in <b>ascending</b> order.
<b>Bubble sort</b>	A <b>bubble sort</b> is a type of sort in which 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.
<b>Descending</b>	When you place objects in order, beginning with the object that has the highest value, you are sorting in <b>descending</b> order.
<b>Dummy values</b>	<b>Dummy values</b> are values the user enters that are not "real" data, but just signals to stop data entry.
<b>Dynamically resizable</b>	<b>Dynamically resizable</b> describes an object whose size can change during program execution.
<b>Dynamically resizable</b>	<b>Dynamically resizable</b> describes an object whose size can change during program execution.
<b>Enum constants</b>	The <b>enum constants</b> are the allowed values for an enumerated data type.
<b>Enumerated data type</b>	An <b>enumerated data type</b> is a programmer- created data type with a fixed set of values.
<b>Matrix table</b>	When mathematicians use a two-dimensional array, they often call it a <b>matrix</b> or a <b>table</b> .
<b>Multidimensional arrays</b>	<b>Multidimensional arrays</b> contain two or more dimensions.
<b>One-dimensional array or single-dimensional array</b>	A <b>one-dimensional array or single-dimensional array</b> contains one column of values; you access its elements using a single subscript.
<b>Ragged array</b>	A <b>ragged array</b> is a two-dimensional array that has rows of different lengths.

Term	Definition
<b>Sorting</b>	<b>Sorting</b> is the process of arranging a series of objects in some logical order.
<b>Two-dimensional arrays</b>	<b>Two-dimensional arrays</b> have two or more columns of values, and you must use two subscripts to access an element.
<b>Type-safe</b>	<b>Type-safe</b> describes a data type for which only appropriate behaviors are allowed.

Note: Please see key terms in the textbooks for examples of some of the terms.