

Difference between ArrayList and LinkedList

Arraylist	LinkedList
<ul style="list-style-type: none">• ArrayList is a class which is a part of collection framework in java.• It is a linear data structure.• Underlying data structure is Array.• Insertion is slower.• Deletion is slower.• Supports bidirectional traversing.• Memory is efficient because it only stores objects.• Contiguous memory allocation to all the objects.• Syntax to create an ArrayList: <code>ArrayList<data_type> name = new ArrayList<data_type>();</code>	<ul style="list-style-type: none">• LinkedList is also a linear data structure like ArrayList. In the linkedlist we don't need to specify any memory size.• Underlying data structure is doubly linked list.• Insertion is faster.• Deletion is faster.• Supports bidirectional traversing.• Memory is inefficient because it stores pointer to next node and objects.• Contiguous memory is not allowed.• Syntax to create an LinkedList: <code>LinkedList<data_type> name = new LinkedList<data type>();</code>

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