Difference between ArrayList and LinkedList

The ArrayList and LinkedList both implement the list interface and maintain insertion order.Both are non-synchronized class.

ArrayList	LinkedList
• ArrayLis is used dynamic array to store elements. • The Manipulation with ArrayList is slow because it internally uses an array. • An ArrayList class can act as a list only because it implement list only. • The ArrayList is better for storing and accessing the data • The memory location for the elements of an ArrayList is contiguous. • The deletion operation is not very efficient. • It used to store only similar type of data. • This is known as static memory allocation.	• Uses doubly linked list to store the elements. • Manipulation with LinkedList is faster than ArrayList because it uses a doubly LinkedList. • LinkedList class act as a list and queue both because it implement list and deque interface. • LinkedList is better for manipulating the data. • The memory location for the elements of an LinkedList is not contiguous. • The deletion operation is very efficient. • It used to store any types of data. • This is known as dynamic memory allocation.

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