**ArrayList: Linked List:**

Contain Duplicate Elements Contain Duplicate Elements

Maintains Insertion Order Maintains Insertion Order

Non Synchronized Non-Synchronized

**Differences**

|  |  |
| --- | --- |
| **Array List** | **Linked List** |
| ArrayList internally uses **dynamic array** to store the elements. | Linked List internally uses **doubly linked list** to store the elements. |
| Manipulation with ArrayList is **slow** because it internally uses array. If any element is removed from the array, all the bits are shifted in memory. | Manipulation with Linked List is **faster** than ArrayList because it uses doubly linked list so no bit shifting is required in memory. |
| ArrayList class can **act as a list** only because it implements List only. | Linked List class can **act as a list and queue** both because it implements List and Deque interfaces. |
| ArrayList is **better for storing and accessing** data. | Linked List is **better for manipulating** data. |

**Hash Set:**

Contain Unique Elements only.

Doesn’t maintain Insertion Order