|  |  |
| --- | --- |
| List | Set |
| Insertion order is maintained | Insertion order is not maintained |
| Duplicate are allowed | Duplicate are not allowed |
| Multiple null values are allowed | Null value allowed only one time |
| There are different implemented classes present inside the List interface   1. ArrayList 2. LinkedList 3. Vector 4. Stack | There are different child interface of Set interface and implemented classes of Set interface   1. HashSet 2. LinkedHashSet 3. SortedSet Interface 4. NavigableSet interface 5. TreeSet |

|  |  |
| --- | --- |
| HashSet | LinkedHashSet |
| Underlying data structure is HashTable | Underlying data structure is HashTable and LinkedList |
| It does not maintain insertion order | It maintain the insertion order |
| It implemented class of Set interface | It chid class of HashSet class. |

|  |  |
| --- | --- |
| HashSet | TreeSet |
| Underlying data structure is HashTable | Underlying data structure is Balanced Tree |
| It does not maintain insertion order | It insert the values as per the ascending order or alphabetical order |
| It allowed null value only one time | It does not allow null value |
| Heterogeneous values are allowed | Heterogeneous are not allowed |
| It implemented class of Set interface | It is implemented class of NavigableSet interface |

|  |  |
| --- | --- |
| LinkedHashSet | TreeSet |
| Underlying data structure is HashTable and LinkedList | Underlying data structure is Balanced Tree |
| It does maintain insertion order | It insert the values as per the ascending order or alphabetical order |
| It allowed null value only one time | It does not allow null value |
| Heterogeneous values are allowed | Heterogeneous are not allowed |
| It child class of HashSet | It is implemented class of NavigableSet interface |