LinkedHashMap

Difference b/w HashMap and LinkedHashMap

|  |  |
| --- | --- |
| HashMap | LinkedHashMap |
| Underlying DS🡪 Hash Table | Hash Table + Linked List |
| Insertion order is not preserved | Preserved |
| 1.2v | 1.4v |

NOTE: LinkedHashSet and LinkedHashMap are commonly used for developing cache-based applications.

IdentityHashMap

Exactly same as HashMap including methods and constructors except the following difference

Difference b/w HashMap and IdentityHashMap

|  |  |
| --- | --- |
| HashMap | LinkedHashMap |
| JVM uses equals() method to identify duplicate keys which is meant for content comparison. (equivalence comparison) | JVM uses == operator which is meant for identity checking. (address comparison) |

WeakHashMap

If they key object associated with WeakHashMap, its reference is with no reference variable then GC garbage collect it even though WeakHashMap has its reference as key.