

# Difference

# Diff between HashSet , HashSet, TreeSet

List	Set
Insertion Order preserved	Insertion Order Not-preserved
Allowed Duplicate value	Not-allowed Duplicate value
Element can be fetch by their position	Element can not be fetch by their position
Multiple NULL value can be stored	At most one NULL value can be stored .

# Diff between HashSet , HashSet, TreeSet

PROPERTY	HashSet	HashSet	TreeSet
Underlying DS	HashTable	HashTable+LinkedList	Balanced Tree
Insertion Order	Not Preserved	Preserved	Not Preserved
Sorting Order	NA	NA	Preserved
Heterogeneous Object	Allowed	Allowed	Not Allowed
Duplicate Object	Not Allowed	Not Allowed	Not Allowed
Null Acceptance	Allowed (1 times)	Allowed (1 times)	For the empty TreeSet add the first element null insertion is possible in all other case it will give NPE

# Diff between HashSet , HashSet, TreeSet

HashMap	HashSet
No Methods is synchronized	Every Methods is synchronized
Multiple Thread can operates at the same time & hence HashMap object is not Thread Safe	At a time one thread is allowed to operate HashSet . Hence it is Thread Safe
Thread are not required to wait & hence relatively performance is high	It increase waiting time of the Thread & Hence performance is low.
Null is allowed for both Key & Value	Null is not allowed for both key & value
Introduced in 1.2 version & it is non-legacy	Introduced in 1.0 version & it is legacy .