

HashMap

Store data in key value pair

Key

Value



Integer vs Integer (Key, Value)
Integer vs String (key, value)
String vs Integer (key, Value)

HashMap can be made with one type of data as key and same or different type of data as value

HashMap can be made on non primitive datatype

Store data for countries population

Key 5	Value I
India	127 130
USA	95
Canada	34
China	120
India	130

Properties of HashMap

1. HashMap always have unique key.
2. Only one key in HashMap can be null and multiple values can be null
3. Put, Get, Remove --> runs at average $O(1)$ time complexity