Write a Java program to sorts the given value using Hash Map.

CODE:

public class HashMapSort {

public static void main(String[] args) {

// Create a HashMap with sample key-value pairs

HashMap<String, Integer> hashMap = new HashMap<>();

hashMap.put("A", 5);

hashMap.put("B", 3);

hashMap.put("C", 8);

hashMap.put("D", 1);

// Convert the HashMap to a List of Map.Entry objects

List<Map.Entry<String, Integer>> list = new ArrayList<>(hashMap.entrySet());

// Sort the List based on the values of Map.Entry objects

Collections.sort(list, new Comparator<Map.Entry<String, Integer>>() {

@Override

public int compare(Map.Entry<String, Integer> entry1, Map.Entry<String, Integer> entry2) {

return entry1.getValue().compareTo(entry2.getValue());

}

});

// Print the sorted values

System.out.println("Sorted values:");

for (Map.Entry<String, Integer> entry : list) {

System.out.println(entry.getKey() + ": " + entry.getValue());

}

}

}

OUTPUT:

C:\javap>javac HashMapSort.java

C:\javap>java HashMapSort

Sorted values:

D: 1

B: 3

A: 5

C: 8

