**HashMap into ArrayList**

**Question -How to convert HashMap to ArrayList in Java ?**

Let's I am creating CompanyEmployee number –

1) Create an Object of HashMap class and put Some Key and Values

2) Create Two ArrayLists –

🡪one ArrayList only for CompanyName and

🡪Another ArrayList for their respective employees[Total number of employees].

\*\*\*\* **it means I want to convert/store all the keys from this particular hash map into an Arraylist and all the values from this particular hash map into a different ArrayList.**

**package** com.collectionframework;

**import** java.util.ArrayList;

**import** java.util.HashMap;

**import** java.util.Iterator;

**import** java.util.List;

**import** java.util.Map;

**import** java.util.Map.Entry;

**import** org.testng.annotations.Test;

**public** **class** HashMapToArrayList {

@Test

**public** **void** HashMapToArrayList()

{

HashMap <String, Integer> CompanyMap = **new** HashMap <String, Integer>();

CompanyMap.put("Google", 10000 );

CompanyMap.put("Walmart", 11000 );

CompanyMap.put("Amazon", 9000 );

CompanyMap.put("FaceBook", 14000 );

//Size of HashMap

System.***out***.println("Company Map size is "+CompanyMap.size());

//1 ) option to iterator

Iterator it =CompanyMap.entrySet().iterator();

**while** (it.hasNext()) {

Entry<String, Integer> entry =(Entry<String, Integer>) it.next();

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

}

System.***out***.println("===============v============v=vvvvvvvv");

// 2) option to iterator

Iterator itr1= CompanyMap.entrySet().iterator();

**while**(itr1.hasNext()) {

Map.Entry pair= (Entry) itr1.next();

System.***out***.println(pair.getKey()+ "="+pair.getValue());

}

System.***out***.println("========================================");

System.***out***.println("Iterator option ");

// 3) option to iterator

Iterator <String> itr2 =CompanyMap.keySet().iterator();

**while** (itr2.hasNext()) {

String key=itr2.next(); // for keys

Integer value =CompanyMap.get(key);

System.***out***.println("Key is ="+key +" . Value is ="+value);

//System.out.println("Key is = "+key +". Value is= " + value);

}

System.***out***.println("==================================");

// Convert HashMap keys into ArrayLsit------

List<String> CompanyNameList= **new** ArrayList<String>(CompanyMap.keySet());

System.***out***.println("Total Employee Count "+ CompanyNameList);

**for**(String ar: CompanyNameList) {

System.***out***.println(ar);

}

System.***out***.println("==================================");

// Convert HashMap Values into ArrayLsit-----

List<Integer> CompanyNumberList= **new** ArrayList<Integer>(CompanyMap.values());

System.***out***.println("Total Employee Values Count "+ CompanyNumberList);

**for**(Integer ar1:CompanyNumberList ) {

System.***out***.println(ar1);

}

}

}