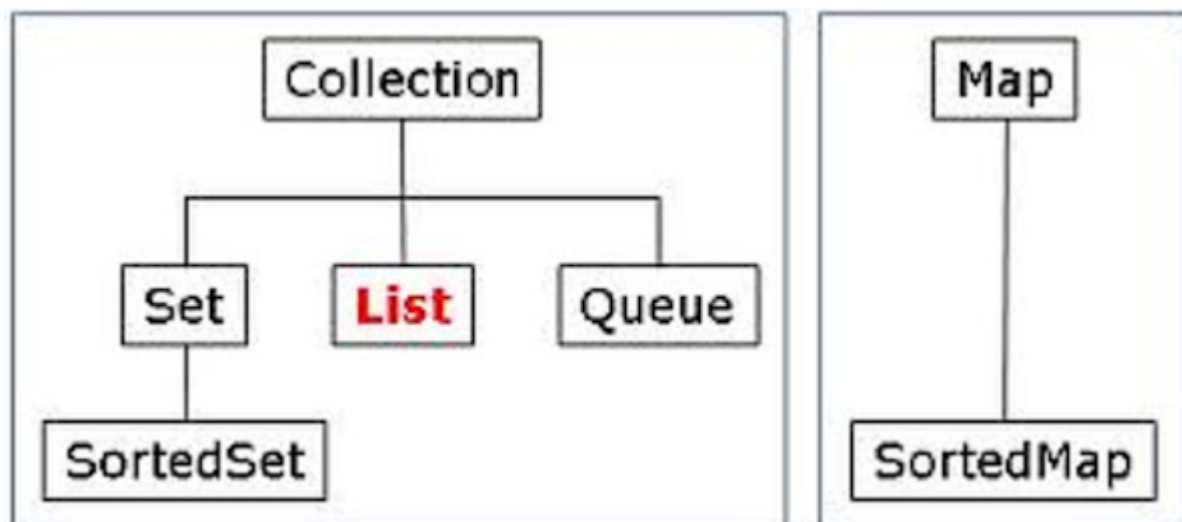**How to Convert a Map to a List in Java - Example Tutorial**

Map and List are two common data
structures available in Java and in this
article, we will see **how can we convert
Map values or Map keys into List in
Java**. The primary difference between
Map (HashMap, ConcurrentHashMap,
or TreeMap) and List is that Map holds two
objects key and value while List just holds
one object which itself is a value. Key in
hashmap is just an add-on to find values,
so you can just pick the values from Map
and create a List out of it. The map in Java
allows duplicate values which is fine with List which also allows duplicates but Map
doesn't allow duplicate keys.

How to Convert Map into List in Java with Example

Now that you are familiar with both Map and List, let's some code examples convert
Map to list in Java.

Map to List Example in Java

Here are few examples of converting Map to List in Java. We will see first how to
convert hashMap keys into ArrayList and then hashMap values into ArrayList in

Java.

```java
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map.Entry;


/**
 *Converting HashMap into ArrayList in Java
 */
public class MaptoListJava {

    public static void main(String... args) {
        HashMap<String, String> personalLoanOffers = new
HashMap<String, String>();
        // preparing hashmap with keys and values
        personalLoanOffers.put("personal loan by DBS", "Interest rate
low");
        personalLoanOffers.put("personal loan by Standard Charted",
"Interest rate low");
        personalLoanOffers.put("HSBC personal loan by DBS", "14%");
        personalLoanOffers.put("Bankd of America Personal loan",
"11%");

        System.out.println("Size of personalLoanOffers Map: " +
personalLoanOffers.size());
```

```
        //Converting HashMap keys into ArrayList
        List<String> keyList = new ArrayList<String>
(personalLoanOffers.keySet());
        System.out.println("Size of Key list from Map: " +
keyList.size());


        //Converting HashMap Values into ArrayList
        List<String> valueList = new ArrayList<String>
(personalLoanOffers.values());
        System.out.println("Size of Value list from Map: " +
valueList.size());




        List<Entry> entryList = new ArrayList<Entry>
(personalLoanOffers.entrySet());
        System.out.println("Size of Entry list from Map: " +
entryList.size());


    }
}
```

Output:
```
Size of personalLoanOffers Map: 4
Size of Key list from Map: 4
Size of Value list from Map: 4
Size of Entry list from Map: 4
```