**Give an example of Hashmap**

The example of Hashmap is:

import java.util.HashMap;

import java.util.Map;

public class Sample\_TestMaps{

public static void main(String[] args){

Map<String, String> objMap = new HashMap<String, String>();

objMap.put("Name", "Suzuki");

objMap.put("Power", "220");

objMap.put("Type", "2-wheeler");

objMap.put("Price", "85000");

System.out.println("Elements of the Map:");

System.out.println(objMap);

}

}

2. Removing entries: Let’s create a program where we will remove entry from a map using remove() method.

Program source code 2:

import java.util.HashMap;

import java.util.Map;

public class AddDemo

{

public static void main(String[] args)

{

// Create a map of generic type.

Map<Integer, String> map = new HashMap<>();

// Adding entries in the map.

map.put(101, "Red");

map.put(103, "Green");

map.put(102, "Yellow");

map.put(104, "Blue");

map.put(106, "Pink");

// Removing an entry for the specified key.

map.remove(104);

System.out.println("Entries in Map after removing an entry: " +map);

// Removing specified value associated with the specified key from the map.

map.remove(106,"Pink");

System.out.println("Entries in Map after removing Pink: " +map);

map.clear();

System.out.println(map);

}

}

…………………

Let’s take a simple example program where we will remove duplicate elements from the ArrayList. Look at the source code.

Program source code 4:

package setProgram;

import java.util.ArrayList;

import java.util.HashSet;

import java.util.List;

import java.util.Set;

public class SetExample4

{

public static void main(String[] args)

{

// Create a generic list object of type Integer.

List<Integer> list = new ArrayList<Integer>();

int size = list.size();

System.out.println("Size before adding elements: " +size);

list.add(5);

list.add(10);

list.add(5);

list.add(15);

list.add(20);

list.add(10);

list.add(20);

list.add(30);

System.out.println("Original order of List Elements");

System.out.println(list);

Set<Integer> s = new HashSet<Integer>(list);

System.out.println("Unodered List Elements after removing duplicates.");

System.out.println(s);

}

}