Duplicate Char Hash map:

package JavaPrograms;

import java.util.HashMap;

import java.util.Map;

import java.util.Set;

public class Dupcharhashmap{

public void countDupChars(String str){

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

char[] chars = str.toCharArray();

for(Character ch:chars){

if(map.containsKey(ch)){

map.put(ch, map.get(ch)+1);

} else {

map.put(ch, 1);

}

}

Set<Character> keys = map.keySet();

for(Character ch:keys){

if(map.get(ch) > 1){

System.out.println("Char "+ch+" "+map.get(ch));

}

}

}

public static void main(String a[]){

Dupcharhashmap obj = new Dupcharhashmap();

System.out.println("String: PRATAP.VIRAT");

System.out.println("-------------------------");

obj.countDupChars("PRATAP.VIRAT");

System.out.println("\nString: Broadridge");

System.out.println("-------------------------");

obj.countDupChars("Broadridge");

System.out.println("\nString: #@$@!#$%!!%@");

System.out.println("-------------------------");

obj.countDupChars("#@$@!#$%!!%@");

}

}

Hashset to object array:

package JavaPrograms;

import java.util.HashSet;

class Hashsettoobjectarray {

public static void main(String[] args) {

HashSet<String> hset = new HashSet<String>();

hset.add("Element1");

hset.add("Element2");

hset.add("Element3");

hset.add("Element4");

System.out.println("HashSet contains: " + hset);

String[] array = new String[hset.size()];

hset.toArray(array);

System.out.println("Array elements: ");

for (String temp : array) {

System.out.println(temp);

}

}

}

High Low interest:

package JavaPrograms;

import java.util.TreeSet;

public class Highlowintreeset {

public static void main(String[] args) {

TreeSet<String> tSet = new TreeSet<String>();

tSet.add("1");

tSet.add("3");

tSet.add("2");

tSet.add("5");

tSet.add("4");

System.out.println("Lowest value Stored in Java TreeSet is : " + tSet.first());

System.out.println("Highest value Stored in Java TreeSet is : " + tSet.last());

}

}

Key in Hashmap:

package JavaPrograms;

import java.util.HashMap;

public class Keyinhashmap {

public static void main(String[] args) {

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

hashmap.put(11, "Chaitanya");

hashmap.put(22, "Pratap");

hashmap.put(33, "Singh");

hashmap.put(44, "Rajesh");

hashmap.put(55, "Kate");

boolean flag = hashmap.containsKey(22);

System.out.println("Key 22 exists in HashMap? : " + flag);

boolean flag2 = hashmap.containsKey(55);

System.out.println("Key 55 exists in HashMap? : " + flag2);

boolean flag3 = hashmap.containsKey(99);

System.out.println("Key 99 exists in HashMap? : " + flag3);

}

}

Key Map to List:

package JavaPrograms;

import java.util.\*;

public class Keymaptolist {

public static void main(String[] args) {

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

map.put(1, "a");

map.put(2, "b");

map.put(3, "c");

map.put(4, "d");

map.put(5, "e");

List<Integer> keyList = new ArrayList(map.keySet());

List<String> valueList = new ArrayList(map.values());

System.out.println("Key List: " + keyList);

System.out.println("Value List: " + valueList);

}

}

Reverse Array list

package JavaPrograms;

import java.util.\*;

public class ReverseArrayList

{

public static void main(String[] args)

{

//Creating an ArrayList object

ArrayList<String> arrlist = new ArrayList<String>();

//Adding elements to ArrayList object

arrlist.add("Virat");

arrlist.add("Pratap");

arrlist.add("Broadridge");

arrlist.add("DevLabAlliance");

arrlist.add("SDET");

arrlist.add("Training");

//Displaying ArrayList Before Reverse

System.out.println("Before Reverse ArrayList:");

System.out.println(arrlist);

/\*Reversing the list using

Collections.reverse() method\*/

Collections.reverse(arrlist);

//Displaying list after reverse

System.out.println("After Reverse ArrayList:");

System.out.println(arrlist);

}

}

Set view from hash:

package JavaPrograms;

import java.util.Iterator;

import java.util.HashMap;

import java.util.Set;

class Setviewfromhash{

public static void main(String args[]) {

HashMap<String, String> hmap = new HashMap<String, String>();

hmap.put("Key1", "ABC");

hmap.put("Key2", "DEF");

hmap.put("Key3", "GHI");

hmap.put("Key4", "JKL");

hmap.put("Key5", "MNOP");

Set<String> keys = hmap.keySet();

System.out.println("Set of Keys contains: ");

Iterator<String> it = keys.iterator();

while(it.hasNext()){

System.out.println(it.next());

}

}

}

Sort array list:

package JavaPrograms;

import java.util.\*;

public class Sortarraylist {

public static void main(String args[]){

ArrayList<String> listofcountries = new ArrayList<String>();

listofcountries.add("Hyderabad");

listofcountries.add("Delhi");

listofcountries.add("Bengalore");

listofcountries.add("Chennai");

System.out.println("Before Sorting:");

for(String counter: listofcountries){

System.out.println(counter);

}

Collections.sort(listofcountries);

System.out.println("After Sorting:");

for(String counter: listofcountries){

System.out.println(counter);

}

}

}