1)Write a Java program that takes a list of integers as input and returns a list of duplicate integers.\*/

/\*import java.util.\*;

class Q1{

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

List<Integer> ls = new ArrayList<Integer>();//list declare kely

ls.add(1);

ls.add(2);

ls.add(2);

HashSet<Integer>seen = new HashSet<>();

HashSet<Integer>dublicate = new HashSet<>();

for (Integer s :ls){

System.out.println(s);

//System.out.println("after comparision:");

if(!seen.add(s)){

dublicate.add(s);

}

System.out.println("after comparision:");

System.out.println(dublicate);

}

}

Q2. 2)Create a Person class with attributes name and age. Write a Java program that sorts a list of Person objects first by age and then by name if the ages are equal.

\*import java .util.\*;

class Person{

String name;

int age;

public Person(String name, int age)

{

this.name = name;

this.age = age;

}

public String toString()

{

return "Person name='" + name + "', age=" + age + "";

}

public String getName(){

return name;

}

public int getAge(){

return age;

}

public static void main (String args[])

{

List<Person> stuList1 = new ArrayList<Person>();

stuList1.add(new Person ("Rasika",27));

stuList1.add(new Person ( "Satish", 51));

stuList1.add(new Person ("Snehal", 28));

stuList1.sort(Comparator.comparing(Person::getAge).thenComparing(Person::getName));

for(Person p:stuList1)

{

System.out.println(p);

}

}

}\*/

Q44) Write a Java program that merges two sorted lists of integers into a single sorted list.

import java.util.\*;

class Q1{

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

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

List<Integer>ls2 = new ArrayList<Integer>();

ls.add(1);

ls.add(2);

ls.add(3);

ls2.add(4);

ls.addAll(ls2);

System.out.println(ls);

}

}