PG-DAC AUGUST 24 BATCH

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

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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.

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3)Write a Java program to find the first non-repeated character in a string using a HashMap. String input = "aabbccddeffg"; Expected output = 'e'

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

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 package org.example.collection;
                                                                                                                                                                                                                                                                                                                                                                                                                           Sorted List 1 :
                  3*import java.util.List;
4 import java.util.Collection;
5 import java.util.Collections;
6 import java.util.LinkedList;
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                                                                                                                                                                                                                                                                                                                                                                                                                            Sorted List 2 :
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                                                                                                                                                                                                                                                                                                                                                                                                                         List 1 & 2 added to List 3 :
                                                        public static void main(String[] args) {
   List<Integer> l1 = new LinkedList<>();
   List<Integer> l2 = new LinkedList<>();
   List<Integer> l3 = new LinkedList<>();
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20
50
                                                                                      l1.add(10);
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                                                                                       11.add(20);
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```