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Computer Science II

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Module 3: Assignment 3

This assignment was a lot easier, I used the website below to help me with the arrays, but I am getting a lot more comfortable with the scanners and for loops.

<http://soultionmanual.blogspot.com/2016/11/chapter-11-exercise-13-introduction-to.html>

My code:

import java.util.ArrayList;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

System.out.print("Enter 10 integers: ");

Scanner input = new Scanner(System.in);

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

for (int i = 0; i < 10; i++) list.add(input.nextInt());

System.out.println("Removing duplicates...");

removeDuplicate(list);

System.out.println("Displaying list...");

System.out.println(list);

}

public static void removeDuplicate(ArrayList<Integer> list) {

ArrayList<Integer> temp = new ArrayList<>();

for (int i = 0; i < list.size(); i++) {

if (!temp.contains(list.get(i))) {

temp.add(list.get(i));

}

}

list.clear();

list.addAll(temp);

}

}

My Code Output:

Enter 10 integers: 1 1 1 3 4 5 8 5 3 6

Removing duplicates...

Displaying list...

[1, 3, 4, 5, 8, 6]