

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 11.13**

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# Document Version Control

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# Document Purpose

The purpose of this document is to outline how the removeDuplicate method works within this example class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this removeDuplicate method is to read 10 user input integers and remove any duplicates within, while printing any integers that are unique.

## Technical Implementation Components

* This program will prompt the user for 10 random integers, and remove any duplicates while displaying distinct integers in the output.

## Technical Implementation Pseudocode

*prompt user for 10 integers*

*store integers in array list*

*remove any duplicate integers*

*return distinct integers*

## Account Implementation

The removeDuplicate method searches within an array list created with user inputs for any duplicates and removes them. It does this by running a for loop to search for any matching inputs. It will change the found boolean to true when it finds a match, removes the element, and then repeats the loop.

The main method prompts the user for the ten integers and stores them in a new ArrayList list. The removeDuplicate method is then run on the list. Once complete, the main method will then output any distinct integers that remain in the list.