# Exercise 1 – Using Primitive Arrays

## “Task 1 – Creating the TestArrays Class

public class TestArrays {

    public static void main(String[] args) {

        int[] array1 = { 2, 3, 5, 7, 11, 13, 17, 19 };

        int[] array2;

        System.out.print("array1 is ");

        printArray(array1);

        array2 = array1;

        array2[0] = 0;

        array2[2] = 2;

        array2[4] = 4;

        array2[6] = 6;

        System.out.print("array1 is ");

        printArray(array1);

    }

    public static void printArray(int[] array) {

        System.out.print('<');

        for (int i = 0; i < array.length; i++) {

            System.out.print(array[i]);

            if ((i + 1) < array.length) {

                System.out.print(", ");

            }

        }

        System.out.print('>');

    }

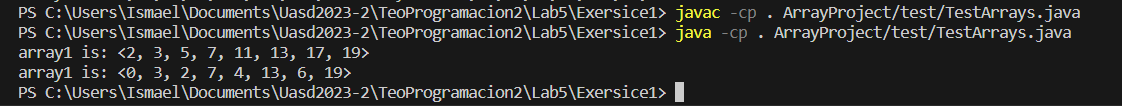
}

## “Task 2 – Compiling the TestArrays Class

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## “Task 3 – Running the TestArrays Program



# Exercise 2 – Using Arrays to Represent One-to-Many Associations

## Task 1 – Creating the Bank Class

package com.mybank.domain;

public class Bank {

    private Customer[] customers;

    private int numberOfCustomers;

    public Bank() {

        customers = new Customer[10];

        numberOfCustomers = 0;

    }

    public void addCustomer(String firstName, String lastName) {

        int i = numberOfCustomers++;

        customers[i] = new Customer(firstName, lastName);

    }

    public int getNumOfCustomers() {

        return numberOfCustomers;

    }

    public Customer getCustomer(int customerIndex) {

        return customers[customerIndex];

    }

}

## Task 2 – Deleting the Current TestBanking Class

Captura de pantalla de un celular

Descripción generada automáticamente

## Task 3 – Copying the TestBanking Class

package com.mybank.test;

import com.mybank.domain.\*;

/\*

 \* This class creates the program to test the banking classes.

 \* It creates a new Bank, sets the Customer (with an initial balance),

 \* and performs a series of transactions with the Account object.

 \*/

public class TestBanking {

  public static void main(String[] args) {

    Bank bank = new Bank();

    bank.addCustomer("Jane", "Simms");

    bank.addCustomer("Owen", "Bryant");

    bank.addCustomer("Tim", "Soley");

    bank.addCustomer("Maria", "Soley");

    for ( int i = 0; i < bank.getNumOfCustomers(); i++ ) {

      Customer customer = bank.getCustomer(i);

      System.out.println("Customer [" + (i+1) + "] is "

       + customer.getLastName()

       + ", " + customer.getFirstName());

    }

  }

}

## Task 4 – Compiling the TestBanking Class

Texto

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## Task 5 – Running the TestBanking Program

Texto

Descripción generada automáticamente