

Testclass Soal 1.

```
public class TestVehicle {
    public static void main(String[] args) {

        // Create a vehicle that can handle 10,000 kilograms weight
        System.out.println("Creating a vehicle with a 10,000kg maximum
load.");
        Vehicle vehicle = new Vehicle(10000.0);

        // Add a few boxes
        System.out.println("Add box #1 (500kg)");
        vehicle.load = vehicle.load + 500.0;

        System.out.println("Add box #2 (250kg)");
        vehicle.load = vehicle.load + 250.0;

        System.out.println("Add box #3 (5000kg)");
        vehicle.load = vehicle.load + 5000.0;

        System.out.println("Add box #4 (4000kg)");
        vehicle.load = vehicle.load + 4000.0;

        System.out.println("Add box #5 (300kg)");
        vehicle.load = vehicle.load + 300.0;

        // Print out the final vehicle load
        System.out.println("Vehicle load is " + vehicle.getLoad() + " kg");
    }
}
```

Testclass Soal 2.

```
public class TestVehicle {
    public static void main(String[] args) {

        // Create a vehicle that can handle 10,000 kilograms weight
        System.out.println("Creating a vehicle with a 10,000kg maximum
load.");
        Vehicle vehicle = new Vehicle(10000.0);

        // Add a few boxes
        System.out.println("Add box #1 (500kg) : " + vehicle.addBox(500.0));
        System.out.println("Add box #2 (250kg) : " + vehicle.addBox(250.0));
        System.out.println("Add box #3 (5000kg) : " + vehicle.addBox(5000.0));
        System.out.println("Add box #4 (4000kg) : " + vehicle.addBox(4000.0));
        System.out.println("Add box #5 (300kg) : " + vehicle.addBox(300.0));

        // Print out the final vehicle load
        System.out.println("Vehicle load is " + vehicle.getLoad() + " kg");
    }
}
```

Testclass Soal 3.

```
/*
 * 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.
 */

import banking.*;

public class TestBanking {

    public static void main(String[] args) {
        Account account;

        // Create an account that can has a 500.00 balance.
        System.out.println("Creating an account with a 500.00 balance.");
        account = new Account(500.00);

        System.out.println("Withdraw 150.00");
        account.withdraw(150.00);

        System.out.println("Deposit 22.50");
        account.deposit(22.50);

        System.out.println("Withdraw 47.62");
        account.withdraw(47.62);

        // Print out the final account balance
        System.out.println("The account has a balance of " +
            account.getBalance());
    }
}
```

Testclass Soal 4.

```
/*
 * 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.
 */

import banking.*;

public class TestBanking {

    public static void main(String[] args) {
        Customer customer;
        Account account;

        // Create an account that can has a 500.00 balance.
        System.out.println("Creating the customer Jane Smith.");
    }
}
```

```

customer = new Customer("Jane", "Smith");
System.out.println("Creating her account with a 500.00 balance.");
customer.setAccount(new Account(500.00));
account = customer.getAccount();

System.out.println("Withdraw 150.00");
account.withdraw(150.00);

System.out.println("Deposit 22.50");
account.deposit(22.50);

System.out.println("Withdraw 47.62");
account.withdraw(47.62);

// Print out the final account balance
System.out.println("Customer [" + customer.getLastName()
    + ", " + customer.getFirstName()
    + "] has a balance of " + account.getBalance());
}
}

```

Testclass Soal 5.

```

public class TestArrays {
    public static void main(String[] args) {
        // Step 1 & 2: declare/initialize array variables
        int[] array1 = { 2, 3, 5, 7, 11, 13, 17, 19 };
        int[] array2;

        // Step 3: display array1 with initial values
        System.out.print("array1 is ");
        printArray(array1);
        System.out.println();

        // Step 4: make array2 refer to array1
        array2 = array1;
        // modify array2
        array2[0] = 0;
        array2[2] = 2;
        array2[4] = 4;
        array2[6] = 6;
        // print array 1
        System.out.print("array1 is ");
        printArray(array1);
        System.out.println();

        // modify array1
        array1[1] = 1;
        array1[3] = 3;
        array1[5] = 5;
        array1[7] = 7;
        // print array 2
    }
}

```

```

System.out.print("array2 n array1 are ");
printArray(array2);
printArray(array1);
System.out.println();

// Step 5: declare a multi-dimensional array of ints
int[][] matrix = new int[5][];

// Step 6: populate the matrix in a triangular formation
for ( int i = 0; i < matrix.length; i++ ) {
    matrix[i] = new int[i];
    for ( int j = 0; j < i; j++ ) {
matrix[i][j] = i * j;
    }
}

// Step 7: print the matrix
for ( int i = 0; i < matrix.length; i++ ) {
    System.out.print("matrix[" + i + "] is ");
    printArray(matrix[i]);
    System.out.println();
}

}

public static void printArray(int[] array) {
    System.out.print('<');
    for ( int i = 0; i < array.length; i++ ) {
        // print an element
        System.out.print(array[i]);
        // print a comma delimiter if not the last element
        if ( (i + 1) < array.length ) {
System.out.print(", ");
        }
    }
    System.out.print('>');
}
}

```

Testclass Soal 5.(alternatif lain)

```

public class TestArrays1 {
    public static void main(String[] args) {
        // Step 1 & 2: declare/initialize array variables
        int[] array1 = { 2, 3, 5, 7, 11, 13, 17, 19 };
        int[] array2;

        // Step 3: display array1 with initial values
        System.out.print("array1 is ");
        printArray(array1);
        System.out.println();

        // Step 4: make array2 refer to array1
        array2 = array1;
    }
}

```

```
// modify array2
array2[0] = 0;
array2[2] = 2;
array2[4] = 4;
array2[6] = 6;

// print array 2
System.out.print("array2 is ");
printArray(array2);
System.out.println();

// print array 1
System.out.print("array1 is ");
printArray(array1);
System.out.println();
}

public static void printArray(int[] array) {
    System.out.print('<');
    for ( int i = 0; i < array.length; i++ ) {
        // print an element
        System.out.print(array[i]);
        // print a comma delimiter if not the last element
        if ( (i + 1) < array.length ) {
            System.out.print(", ");
        }
    }
    System.out.print('>');
}
}
```