class Employee {

    // Instance variables

    private int employeeId;

    private String name;

    private double salary;

    // Static variable (class variable)

    private static int employeeCount;

    // Static block

    static {

        System.out.println("Static block - Executed when the class is loaded");

        employeeCount = 0;

    }

    // Instance block

    {

        System.out.println("Instance block - Executed when an object is created");

        // You can perform instance-specific initialization here if needed

    }

    // Non-parameterized constructor

    public Employee() {

        System.out.println("Non-parameterized constructor - Employee created");

        employeeCount++;

        employeeId = employeeCount;

    }

    // Parameterized constructor

    public Employee(String name, double salary) {

        System.out.println("Parameterized constructor - Employee created");

        employeeCount++;

        employeeId = employeeCount;

        this.name = name;

        this.salary = salary;

    }

    // Copy constructor

    public Employee(Employee other) {

        System.out.println("Copy constructor - Employee copied");

        this.employeeId = other.employeeId;

        this.name = other.name;

        this.salary = other.salary;

    }

    // Instance method

    public void displayInfo() {

        System.out.println("Employee ID: " + employeeId);

        System.out.println("Name: " + name);

        System.out.println("Salary: " + salary);

    }

    // Static method

    public static void displayEmployeeCount() {

        System.out.println("Total Employees: " + employeeCount);

    }

}

public class Assignment1{

    public static void main(String[] args) {

        // Creating instances using different constructors

        Employee emp1 = new Employee();

        Employee emp2 = new Employee("John Doe", 50000.0);

        Employee emp3 = new Employee(emp2); // Using copy constructor

        // Displaying information using instance method

        System.out.println("\nEmployee 1 Information:");

        emp1.displayInfo();

        System.out.println("\nEmployee 2 Information:");

        emp2.displayInfo();

        System.out.println("\nEmployee 3 Information (Copied from Employee 2):");

        emp3.displayInfo();

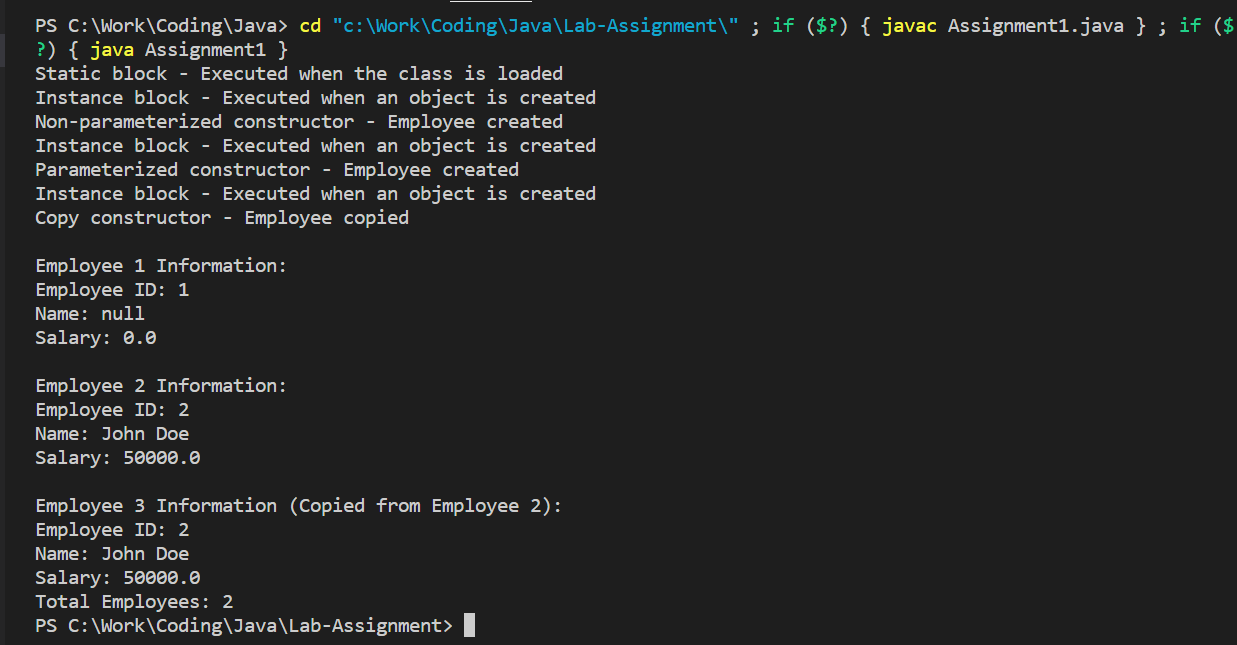
        // Displaying total employee count using static method

        Employee.displayEmployeeCount();

    }

}

**OUTPUT:**

****