COSC 2436 Lab 1 Instructions

Write a class named Employee that has the following fields:

* name. The name field references a String object that holds the employee’s name.
* idNumber. The idNumber is an int variable that holds the employee’s ID number.
* department. The department field references a String object that holds the name of the department where the employee works.
* position. The position field references a String object that holds the employee’s job title.

The class should have the following constructors:

* A constructor that accepts the following values as arguments and assigns them to the appropriate fields: employee’s name, employee’s ID number, department, and position.
* A constructor that accepts the following values as arguments and assigns them to the appropriate fields: employee’s name and ID number. The department and position fields should be assigned an empty string ("").
* A no-arg constructor that assigns empty strings ("") to the name, department, and position fields, and 0 to the idNumber field.

Write appropriate mutator methods that store values in these fields and accessor methods that return the values in these fields. Once you have written the class, write a separate program that creates three Employee objects to hold the following data:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **ID Number** | **Department** | **Position** |
| Susan Meyers | 47899 | Accounting | Vice President |
| Mark Jones | 39119 | IT | Programmer |
| Joy Rogers | 81774 | Manufacturing | Engineer |

The program should store this data in the three objects and then display the data for each employee on the screen.

Deliverables:

1. UML diagram for the Employee class - **20%**
2. Source codes (Employee.java & EmployeeApp.java) – **70%**
3. Screenshot of the program output. – **10%**

Note: Sparingly comment your java source code, save all the files in ***your\_lastname\_lab\_1*** folder, zip it, and upload for grading.

Thank you!