**Lab 1**

**Revision**

In this exercise you are required to create a set of classes based on the different types of employees working in a company.

**Employee Class (Base Class)**

* Define instance variables for
  + employee id (int)
  + name (String)
  + rsiNumber(String)
  + salary(double)
* Create an appropriate constructor to initialise all members using a parameter list
* Create appropriate getter() and setter() methods.
* Create a raiseSalary() method that takes the amount of the raise as a parameter and adds it to the salary.
* Write an appropriate print method. Format the salary into euros currency e.g. €109,501.36

**Manager Class**

* This class is a sub class of Employee
* Define instance variables for
  + Department name (String)
* Create an appropriate constructor (using parameter list)
* Create an appropriate getter() method
* Override the print() method

**Engineer Class**

* This class is a sub class of Employee
* Create an appropriate constructor (using parameter list)

**Admin Class**

* This class is a sub class of Employee
* Create an appropriate constructor (using parameter list)

**Director Class**

* This class is a sub class of Manager
* Define instance variables for
  + Budget (double)
* Create an appropriate constructor (using parameter list)
* Create an appropriate getter() method
* Override the print() method

**TestEmployee Class**

* Create 4 different objects for the following people whose details are shown in the sample output below:
  + Jane Smith is an engineer
  + Bill Munroe is an Admin
  + Barbara Johnson is a Manager
  + Susan Wheeler is a Director
* Print information about the objects that you create as shown below:

Employee ID: 101

Employee Name: Jane Smith

Employee RSI: 2378675D

Employee Salary: €120,345.27

-----------------

Employee ID: 304

Employee Name: Bill Munroe

Employee RSI: 0978654V

Employee Salary: €75,002.34

-----------------

Employee ID: 207

Employee Name: Barbara Johnson

Employee RSI: 8765667Y

Employee Salary: €109,501.36

Department: European Marketing

-----------------

Employee ID: 122

Employee Name: Susan Wheeler

Employee RSI: 9876547B

Employee Salary: €120,567.36

Department: Global Marketing

Budget: €1,000,000.00

Test the raiseSalary() and setName() methods on Manager. Barbara Johnson has changed her name to Barbara Johnson-Smyth and she has also got a salary increase of €10, 000

Employee ID: 207

Employee Name: Barbara Johnson-Smyth

Employee RSI: 8765667Y

Employee Salary: €119,501.36

Department: European Marketing