Week 10
Sequential Binary Files
Formative Work

NOTE 1: Use separate Java source files for each class.
NOTE 2: Please refer to the Car example in the lecture notes.

Step 1
Implement a class called **Employee** with the properties listed in the class diagram below.

Employee
-name: String -salary: double
<<constructor>>+Employee() <<constructor>>+Employee(name: String, salary: double) +put(dout: DataOutputStream): void +get(din: DataInputStream): void +toString(): String

NOTE: *for the put and get methods, you can assume that the name String has a MAX length of 20 characters.*

Step 2
Write a Java program called **EmployeeWriter** that creates an ArrayList containing 4 Employee objects (see table below). Your program should write the contents of the ArrayList to a sequential binary file called **employees.dat**

Name	**Salary**
John Smith	47000.00
Karen Jones	55000.00
Alan Buffet	120000.00
Sally Ryan	210000.00

Step 3
Write a program called **EmployeeReader** that reads the contents of the **employees.dat** file into an ArrayList. Your program should then display the contents of the ArrayList to the screen to confirm that the file has been read correctly.