

## Programming Lab Exercise 4

~~Before you start:~~

~~Create a folder called **lab4** inside your personal **java** folder you created at the start. Save all your work for lab4 in this folder. Your program should be called **MyHR.java**~~

**Purpose:**

~~Tests your understanding of the concept of classes and aggregation in Java.~~

**Problem:**

~~You have been asked to create a rudimentary HR system called **MyHr** to help administer the growing number of employees in the company. The system will manage the employees' details and office number allocation.~~

The system should offer the user the following options:

1. List all offices
2. Create a new employee record
3. List all employees

**Some specifics:**

- The system will initialise 3 office records automatically. They should have room numbers starting at 100 (allocated from a static class variable).
- The user can create up to a maximum of 5 employee records.
- ~~Each employee should have an automatically assigned employee number, starting at employee number 1000~~
- ~~They should have an address consisting of~~
  - ~~Street~~
  - ~~City/town~~
  - ~~County~~
- ~~They should have an employee type of either "Staff" or "Manager"~~
- ~~If they are a "Manager" then they should have some details about their company car~~
- They must be assigned to an existing Office (maximum 2 people in an office)

**Implementation:**

You are expected to use classes and aggregation.

You should have the following classes (include whatever class variables you feel appropriate):

- ~~Employee~~
  - ~~(it should also contain a method to return the number of employee records)~~
- Address
- Office
  - (it should also contain a method to return the number of employees assigned to it)

- (it should also contain a method to return the record of each employee assigned to the office)

Each class should implement a `toString()` method for printing.