

Java programming. Exercise session II

(based on MIT 6.092 Assignment 2)

In this exercise session, you will create the class **Employee** and extend it with class **Manager**.

Exercise instructions:

1. Create a new class called **FooCorporation**.
2. Create a new class called **Employee** in the same package with **FooCorporation**.
3. Write a constructor for **Employee** class with the following parameters (fields):
 - *name*;
 - *base pay*;
 - *hours worked*.
4. Include a method:
 - method **salary** takes Employee parameters and prints the total pay;
5. Define the following employees using **Employee** object and compute their *salary*:

	Base Pay	Hours Worked
Employee John	\$7.50	38
Employee Annabel	\$8.20	42
Employee Graham	\$10.50	41

6. Create a new class called **Manager** that inherits parameters (fields) and methods from class **Employee**. Write a constructor with 1 more unique parameter: *office number*.

	Base Pay	Hours Worked	Office number
Manager Bill	\$15.50	39	A332
Manager Gregory	\$18.20	40	A415

Core structure of **FooCorporation** class:

```
public class FooCorporation {  
  
    public static void main(String[] args) {  
  
        Employee john = new Employee();  
  
        john.name = "John";  
        // define rest parameters of Employee object for John  
  
        // Define 2 more Employees  
        // Define 2 more Managers  
    }  
}  
  
public class Employee {  
  
    // Define fields  
  
    //Create a constructor  
    Employee(String name,...){  
    }  
  
    // Define method "salary"  
}  
  
public class Manager extends Employee {  
  
    // Create a constructor for the class with an additional field officeNumber  
}
```