

#### COP 3330- HW4: Another look at HW1!

In Java, Implement a simple weekly payroll program. The input will consist of the employee's full name, employee's ID (a string), the number of hours worked (a real number), the hourly rate (a real number), the income tax is 6%. Your program should calculate the total gross pay, and the net pay and display a paycheck like:

Employee's name:	John Smith
Employee's number:	js1200
Hourly rate of pay:	10.50
Hours worked:	36.00

Total Gross Pay:	\$378.00
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Deductions	
Tax (6 %):	\$22.68

Net Pay:	355.32 Dollars
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Your program must include the class **Employee** whose private attributes are:

- **fullName**: String
- **employeeNumber**: String
- **payRate**: double
- **hoursWorked**: double

In addition to that, equip the class Employee with these methods:

- **Employee (String fullName, String employeeNumber, double payRate, double hoursWorked)**

The constructor that assigns the passed parameters fullName, employeeNumber, payrate, hoursWorked to the data members.

- For each of the private data members above, add the **Setters** and the **Getters**
- Override the **toString()** method to return the String of the form:

**[Employee Number/Full Name, x Hours @ y per hour]** where x is the number of hours worked and y is the pay rate. As an example,

**[js1200/John Smith, 36 Hours @ 10.5 per hour]**

- double netPay (), the private method that returns the net pay of the employee.
- void printCheck (), the method that prints the paycheck of the employee as shown above. The printCheck method calls the private netPay method to get the net pay of the employee.

All students must use this Main.java

```
//HW4
//Your Name goes Here
public class Main {

    public static void main(String[] args) {

        String fullName = "Erika T. Jones";
        String employeeNumber = "ej789";
        double payRate = 100.0 , hoursWorked = 1.0;
        //TA will change the payrate and the hours worked to test your code

        Employee e;
        e = new Employee (fullName,employeeNumber,payRate,hoursWorked);

        System.out.println(e); //To Test your toString method

        e.printCheck(); //This prints the check of Erika T. Jones

        System.out.println("Bye!");

    }

}

//_____
class Employee{

    //Your code goes here

}
```