IDK2015 Object-oriented Programming

Lab Assignment 3, max 2 points.

Employees in a company are divided into the classes Employee, HourlyPaid, SalesCommissioned, and Executive for the purpose of calculating their weekly wages or monthly salaries.

The data to be maintained for each class may be summarized as follows:

- **Employee** class   Name of employee
- **HourlyPaid** class   Rate of pay
                                         Total weekly hours worked
- **SalesCommissioned** class   Percentage commission on total sales
                                         Total sales for month
- **Executive** class   Incremental point on annual salary scale

The methods used in each class may be summarized as follows:
- **Employee** class   getName
                                         computePay - <u>as an abstract method</u>
- **HourlyPaid** class   getRate
                                         getHours
                                         computePay
- **SalesCommissioned** class   getPercentage
                                         getSales
                                         computePay
- **Executive** class   getIncrement
                                         computePay

Note: To compute the monthly gross wage of an executive, it is necessary to construct a one-dimensional array containing an increasing annual salary scale. Each subscript to the array equates to an incremental point on the salary scale. Implement the classes and write a test program to verify that the classes function correctly.

Submit your solution via ained.ttu.ee by October, 29th.