# Object

Practice creating user defined data types

# Problem

Design a Payroll class that has the following instance variables. Remember that all the instance variables are declared private to enforce information hiding

* Employee’s name of type String
* Employees id of type String
* Hourly rate of type double
* Hours worked of type double

# Methods

**Public Payroll (String n, String I, double rate, doubles hours):** this constructor gets the name. id, hourly rate and hours worked as its parameter and initializes the instance variables.

**public void setName(String newName):** this methods sets the instance variable name to the new Name

**public void setId(String newId):** this methods updates the instance variables id to the newId

**public void setHours(double newHours**): This methods sets the hours worked to the newHours

**public void setRate(double newHourlyRate):** This methods sets the hourly rate into the newRate

**public String getId():** returns the id

**public String getName():** return the name

**public double getRate():** returns the hourly rate

**public double hourseWorked():** returns the hours worked

**public String toString():** this method returns a string representing the object. Refer to the oputput for formatting

**public double pay():** this method returns the amount the person must be paid. To calculate the pay = hours worked \* hourly rate

Driver class:

The Driver class is provided and you need to fill it in with your own code. Comments have been provided regarding the code that you need to implement. The driver should call methods from the Payroll class.

Sample output

Testing the toString method  
  
Name : Alex  
ID = 1234  
Hourly Rate = 12.0  
Hours worked = 12.0  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
Name : Nik  
ID = 9807  
Hourly Rate = 10.0  
Hours worked = 20.0  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
Name : Jose  
ID = 2345  
Hourly Rate = 100.0  
Hours worked = 20.0  
testing the getter methods and the pay method  
  
Alex is paid 144.0  
Nik is paid 200.0  
Jose is paid 2000.0  
testing the setter methods  
  
Setting the hours worked for Alex to 25  
Name : Alex  
ID = 1234  
Hourly Rate = 12.0  
Hours worked = 25.0  
  
Alex is now paid 300.0  
setting the hourly rate for Nik to 45  
Name : Nik  
ID = 9807  
Hourly Rate = 45.0  
Hours worked = 20.0  
Nik is now paid 900.0