

Design a *Payroll* class that has private data members for an employee's full name, hourly rate pay, number of hours worked, and total pay for the week. Write a Java application program with an array of at least 5 *Payroll* objects. The program should ask the user for the number of hours each employee has worked and will then display the amount of gross pay each has earned. You may bypass the I/O code (asking user to enter the hourly rate and the hour worked) if you wish and instantiate the object manually. For example;

```
Payroll [] employee = new Payroll[5];  
Payroll employee[0] = new Payroll ("Jane Doe", 35.95, 40);  
Payroll employee[1] = new Payroll ("John Doe");  
Payroll employee[2] = new Payroll();
```

will create three *Payroll* objects.

Include the following methods in your *Payroll* class;

- Default constructor that sets the name to blank, and zeros to other values.
- Constructor that takes employee's name, hourly rate and hours worked.
- Constructor that takes employee's name only.
- get() and set() methods for hourly rate, hours worked and employee's name.
- computePay() method that calculates the payment.
- toString() method that prints all information. Print total payment in two decimal places.
- Display your output result in your Java Dialog box.

Write your own main() program to *thoroughly* test your *Payroll* class to demonstrate that your class design works appropriately.

Please submit the following two items to your instructor.

1. The program source code (the .java file)
2. The program output

Points will be given based on the following requirements:

1. The assignment meets the program prerequisites as specified in the question. Your program executes without errors, runs accordingly, and produces correct output.
2. Your program includes overall documentation; i.e. explain what the program is attempting to do; function documentations; complex code documentation. Your program follows the standard practice programming style: i.e. code indentation, spacing between block of codes, functions, and uses meaningful variable names. Your program applied the best possible programming logic approach: i.e. the logic flow of your program is rational and coherent.
3. Did you submit the following required files; your source code program file (.java file), and your program output file? Was the program output presented/displayed

in readable and meaningful fashions.