

HW 3 – (20 points)

Using dialog boxes develop an application program that will determine the gross pay for each of several employees (use "while or for loops" and input at least two or more employees – ask the user how many employees to input and use the input as your loop termination counter).

The company pays "straight time" for the first 40 hours worked by each employee and pays "time-and-a-half" for all hours worked in excess of 40 hours. Your program should ask the user to input the full name, SSN number, hours worked and the rate per hour.

Create two methods. One method will calculate the gross pay and returns the amount computed, and the other method will display the result of the calculation. Below shows the two method headers;

```
public static double computePay(int hrs, double rate)
public static void displayPay(String fullname, double hoursWorked, double grossPay)
```

Display the output of each employee's full name, hours worked and gross payments inside an output box using *JOptionPane()* method.

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.