

## Programming Assignment #3: Payroll Application

**Program Problem:** Write a program that reads the following information and prints a payroll statement:

Employee's name (e.g. John Doe)

Number of hours worked in a week (e.g. 40)

Hourly pay rate (e.g. 15.50)

Federal tax withholding rate (e.g. 15%)

State tax withholding rate (e.g. 5%)

You will then print all user entered information and in addition the gross pay, fed withholding dollar amount, state withholding dollar amount, total deductions, and net pay. For a sample run refer to problem 4.23 in your textbook. Be sure to format your output and display the information in a way that makes sense for what you need to display. Be sure that your program let's the user know when they have entered incorrect information (e.g. negative numbers). You do not have to allow them to fix the error but let them know the error exists.

**Documentation:** You must use a readable, logical, and coherent set of style and formatting rules. You are to stick to the "structured approach" in programming. Be sure to comment your code in addition to the required header. Each submission must have a block comment area that includes: Your first and last name, program exercise title, program due date, and the program description.

**Submission Details:** All submissions are electronic. When you turn in a programming assignment, you must send me a compilable and correctly working copy of the assigned program source code. I will, at my discretion, compile and run (on my own test input) the programs you submit electronically. This is a part of my grading procedure. Your program must work. That means it must compile correctly, run according to specifications, and give correct results. Generally, a program that works will receive at least 40-50 percent of full credit. The rubric used for scoring is visible to you so please review it before you submit your assignment. Submit your source file for this program this means you are giving me your **<lastnamePayApp.java>** file not a link to an online compiler, text file, or executable file. In addition to your java file, include a word document that has screen snips for your test runs name that file **<lastnamePayAppTests.docx>**.

**For full credit, your program must also meet the following criteria:**

- Good design, including good algorithms.
- Good form, including documentation, and readability.
- Adequate testing, especially the testing of data boundaries and special cases.

**You need to do a good job on all the criteria to receive an "A" on your program.**