Prelim Lab Exam – CS 102 Jan 31, 2024

Instruction:

* *Read all instructions carefully.*
* *NO COLLABORATION. These is considered cheating in the term exams and quizzes.*
* *Check the programming rubrics before you start.*
* *Follow the details of the program as provided.*
* *Text all of the Test Cases and take a screen shot of tested test cases*
* *Save your work. Submit your files in a ZIP format in canvas.*
* *ZIP file should contain java file and screenshot of the test cases*

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Make a java menu-based program that does the following:

Method 1:

Write a method that accepts a variable named minutes, which holds the minutes then display the value in hours, minutes and seconds: for example, 185.25 minutes becomes 3 hours 5 minutes and 15 seconds

Method 2:

David found a summer job for four weeks. It pays Php 80 per hour. Suppose that the total tax you pay on your summer job income is 15%. After paying the taxes, you spend 10% of your net income to buy new clothes for the next school year and 2% to buy school supplies. After buying clothes and other supplies, you use 25% of the remaining money to buy saving bonds. For each peso you spend to buy saving bonds, your parents spend Php 0.50 to buy additional saving bonds for you. Write a program that prompts a user to enter the number of hours worked each week. The program then outputs the following:

* Income before and after taxes from your summer job
* Money you spend on clothes.
* Money you spend on school supplies.
* Money you spend to buy saving bonds.
* Money your parent spends to buy additional saving bonds for you.
* Remaining money after saving and parent bonds.
* Add two (2) methods that computes the following:
  + 1st method - income after taxes
  + 2nd method - money spent on clothes.

Test Case 1:

A screenshot of a computer screen

Description automatically generated

Test Case 2:

A screenshot of a computer program

Description automatically generated

Test Case 3:

A screenshot of a computer screen

Description automatically generated