DURHAM COLLEGE; FALL 2023

AIDI_1100_ASSIGNMENT1_WEEK3

Assignment Checklist:

- Assignment must be coded in Google Colab, with cell/text-blocks clearly visible
- Code must be saved and submitted as .ipynb file, in the following format:
  - **AIDI_1100_[SECTION]_ASSIGNMENT1_FIRSTNAME_LASTNAME.ipynb**
    - Example1: AIDI_1100_**01**_ASSIGNMENT1_**JOHN_SMITH.ipynb**
    - Example2: AIDI_1100_**02**_ASSIGNMENT1_**JACK_ROBERTS.ipynb**
- Must be submitted on DC-CONNECT by designated timeframe (please let me know, **in advance**, if it will be delayed, and by how long)
- **Assignment Share Date: WEEK3 – 2hr block (after lecture)**
- **Assignment Due Date: WEEK4 – Second Session – END OF DAY (as shown on DC Connect)**

Assignment Description:

Write a function to calculate annual salary of five employees in a small **hypothetical** company. (Company, name, and salary can be anything – all hypothetical)

If the annual salary is less or equal to $25,000, the company has allocated 10.5% bonus; 11.5% bonus between $25,000 and $50,000; 12.5% bonus if more than $55,000. Bonus amounts should then be added to the annual salary to determine gross income. For salary between $50,000 and $55,000 – no bonus is added.

In order to calculate "Net Annual Income" the function must ensure that government deductibles breakdowns like taxes (15.5%) and benefits (6.5%) are shown from gross income.

Finally the function should print a pay stub as such (specific format is expected, with a simple print statement and output):
Company name: ABC
Date of Pay-Stub: YYYY-MM-DD
Employee: “Bill Williams"
Position: "Technical Developer"
Salary: $30,000
Bonus: $3,450.00
Gross Annual Income: $33,450
Deductibles: $7,359.00
Deductible (Taxes): $5,184.75
Deductible (Benefits): $2,174.25
Net Annual Income: $26,991