Aptitude Test

Instructions

1. Answer **ALL** questions given.
2. Create a function for each question and save them in one class.
3. Ensure that the code is executable before submission.
4. Code that doesn’t run will be screened as defective.
5. Comment your code for ease of understanding.
6. Conserve on lines of code. The less verbose your solution, the better.
7. Lines of code submitted should be a product of the candidate and not a snippet from the Internet.

Good luck.

Jane, Esther and Phillip work for company Y. Jane is Phillip’s boss and Phillip is Esther’s boss. All employees earn a commission on Gross Sales but the percentage varies per level. Level 1 employees earn a commission of 25%. Level 2 employees earn a commission of 20%. Level 3 employees earn a commission of 10.75%.

Phillip is a Level 2 Employee.

**Question 1**

If Jane, Esther and Phillip make gross sales of 300000, 235000 and 320000 respectively, calculate their commission.

**Question 2**

Level 1, Level 2 and Level 3 employees earn a salary of 200000,165000 and 140000 respectively. All salaries are subject to the following deductibles:

1. ***Income Tax :*** 26%
2. ***NHIF:*** 2000
3. ***NSSF:*** 3500

Calculate their Net Income (*inclusive of the Commission*).

**Question 3**

Company Y is hiring new employees. This has resulted in the need for a **database** to store employee information.

Create tables for ***Employee Information*** and ***Employee Payroll*** with appropriate naming of fields and choice of field types.

Create an interface that displays information on employees (including the above mentioned) and that allows for the addition of new hires at **any level.**