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Homework 2

Question

A large company pays its salespeople on a commission basis.

The salespeople each receive 150€ per week plus 12% of their gross sales for that week.

For example, a salesperson who sells 6000€ worth of chemicals in a week receives 150€ plus 12% of 6000€, or a total of 870€.

Develop a C++ program that uses a while statement to input each salesperson's gross sales for last week and calculates and displays that salesperson's earnings. Process one salesperson's figures at a time.

Github link

<https://github.com/NgocNguyenGit/cpp-programming.git>

Internal logic of the program

- Function:
 - o Determine whether gross sale is positive and different from -1 or not ONCE:
 - If the input less than zero and different from the sentinel
Print "Invalid amount of gross sales."
Print text "Enter gross sales for that week or -1 to quit: "
Read the value
- Initialisation phase:
 - o Initialise salesperson's earnings and assign 0 to it
 - o Initialise the fixed salary which is 150€ per week
 - o Initialise 12% commission percent of gross sales
 - o Initialise name of salesperson
 - o Initialise gross sales for that week
- Processing phase:
 - o Prompt for input and read salesperson's gross sales for last week from user
 - o Input the salesperson's gross sales (possibly the sentinel)
 - o While the user has not yet entered the sentinel
 - Determine whether gross sale is positive and different from -1 or not ONCE
 - Prompt for input and read the name of salesperson
 - Add the fixed salary and percent after multiplying by gross sale to the salesperson's earnings
 - Print name and the salesperson's earnings
 - Prompt for input and read next gross sales for that week from user
- Termination phase:
 - o Print "Terminating..."