

QUESTION NO. 1. (2 MARKS)

Write views to show

- a. The list of active products (is_active is 1) provided by the vendor Mikey
- b. The list of product department and the number of active products of each product department

QUESTION NO. 2. (2 MARKS)

Write one stored procedure with the following requirements

- a. Check if the product is provided by the vendor Fudgeman, the retail price must be greater than 30% of the wholesale price. If the product is provided by other vendors, the retail price must be greater than 20% of the wholesale price. Otherwise, print the message 'Cannot insert this product due to the wrong price'
- b. Check if product name have already existed in the database, print the message 'Cannot insert this product due to the duplicated information'
- c. If a and b are satisfied, insert into the fudgemart_products with the values provided in the parameters of the stored procedure

QUESTION NO.3. (2 MARKS)

Write one function with the following requirements

- c. Input: employee job title, start_date, end_date
- d. Output: the total employees are hired from the start_date to the end_date with the job title given in the input parameters

QUESTION NO.4. (2.5 MARKS)

Write the code using cursor to print the messages as below:

Vendor id: __x__ has the average wholesale price __y__ and the number of products __z__;

With x is each vendor id in the database, y is the average wholesale price of each vendor id and z is the number of products provided by the vendor id.

QUESTION NO.5 (2.5 MARKS)

Write one trigger with the following requirement:

- a. Trigger happens on the table fudgemart_products has the type *instead of insert*
- b. Requirement:
if product department is Electronics, the retail price is calculated by the wholesale price * 1.3
if product department is others, the retail price is calculated by the wholesale price * 1.2
- c. Instead of inserting with the values provided by users, the trigger will insert into the fudgemart_products with the new retail price calculated by the above requirement.