

Assignment - SQL

1. Choose the correct order in which the following clauses are arranged in a SQL query?

- a) SELECT > FROM > LIMIT > ORDER BY
- b) SELECT > ORDER BY > FROM > LIMIT
- c) SELECT > FROM > ORDER BY > LIMIT
- d) FROM > SELECT > ORDER BY > LIMIT

2. Write a query to get all the products available in the market, and arrange them in ascending order with respect to their product_id

3. Write a query to calculate the salary of all employees after an increment of 20%. Save the newly calculated salary column as 'New_salary'.

Table: employees

Column Name	Type
emp_id	int
name	varchar
salary	int

Note:

- Return the columns emp_id, name, salary, and 'New_salary'.
- Order the output by the emp_id in ascending order.

Steps to calculate the salary increment:

1. Multiply the current salary by the percentage of the increment.
2. Divide the result by 100.
3. Then add the result to the current salary.
4. Name the column as 'New_Salary'

Sample Input:

Table: employees

emp_id	name	salary
1	Luis	6142
2	Den	11259
3	Alexander	5374
4	Shelli	12572
5	Sigal	6897

Sample Output:

emp_id	name	salary	New_salary
1	Luis	6142	7370
2	Den	11259	13511
3	Alexander	5374	6449
4	Shelli	12572	15086
5	Sigal	6897	8276

Explanation: The New salary for Luis can be calculated as $6142 + (0.2 * 6142) = 7370$. In a similar manner, the New_salary is calculated for each employee.

