Product Sales Analysis III

Table: Sales

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| Column Name | Type |

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| sale\_id | int |

| product\_id | int |

| year | int |

| quantity | int |

| price | int |

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(sale\_id, year) is the primary key (combination of columns with unique values) of this table.

product\_id is a foreign key (reference column) to Product table.

Each row of this table shows a sale on the product product\_id in a certain year.

Note that the price is per unit.

Table: Product

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| Column Name | Type |

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| product\_id | int |

| product\_name | varchar |

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product\_id is the primary key (column with unique values) of this table.

Each row of this table indicates the product name of each product.

Write a solution to select the product id, year, quantity, and price for the first year of every product sold.

Return the resulting table in any order.

The result format is in the following example.

Example 1:

Input:

Sales table:

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| sale\_id | product\_id | year | quantity | price |

+---------+------------+------+----------+-------+

| 1 | 100 | 2008 | 10 | 5000 |

| 2 | 100 | 2009 | 12 | 5000 |

| 7 | 200 | 2011 | 15 | 9000 |

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Product table:

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| product\_id | product\_name |

+------------+--------------+

| 100 | Nokia |

| 200 | Apple |

| 300 | Samsung |

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Output:

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| product\_id | first\_year | quantity | price |

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| 100 | 2008 | 10 | 5000 |

| 200 | 2011 | 15 | 9000 |

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Code :

SELECT product\_id, year AS first\_year, quantity, price

FROM Sales

WHERE (product\_id, year) in (

SELECT product\_id, MIN(year)

FROM Sales

GROUP BY product\_id

)

Link: <https://leetcode.com/problems/product-sales-analysis-iii/?envType=study-plan-v2&envId=top-sql-50l>