

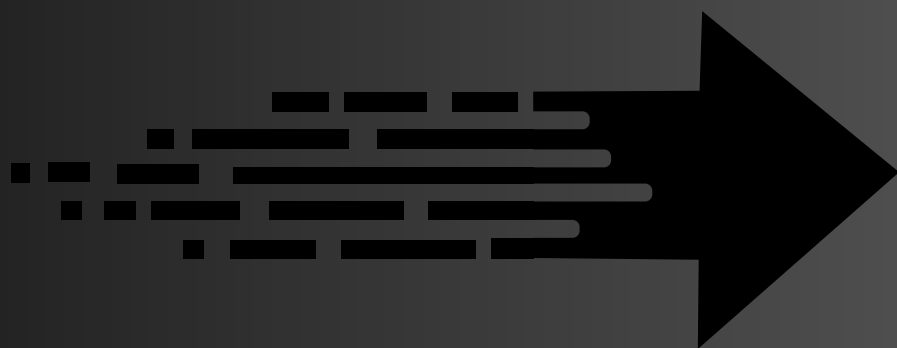


LeetCode

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Work In Progress

Day 25/50

***25. Product Sales
Analysis III***





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Question

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**.





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Table

Input:

Sales table:

sale_id	product_id	year	quantity	price
1	100	2008	10	5000
2	100	2009	12	5000
7	200	2011	15	9000

Product table:

product_id	product_name
100	Nokia
200	Apple
300	Samsung





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Approach

Used a subquery in Where clause to fetch the information of all products in their first year. For first year, Used MIN func and to check the condition used IN op to filter the result.





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Query

MySQL   Auto

```
1  SELECT
2  product_id,
3  year AS first_year,
4  quantity, price
5  FROM sales
6  WHERE (product_id, Year) IN
7  | (SELECT product_id, MIN(year)
8  | FROM sales GROUP BY product_id);
```





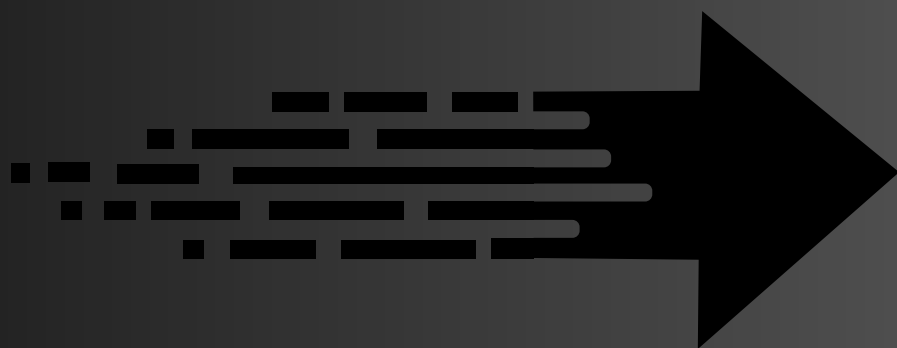
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Output

Output:

product_id	first_year	quantity	price
100	2008	10	5000
200	2011	15	9000





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thoughts in the
comment section*

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Thank You :)

