

1159. Market Analysis II

Hard
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SQL Schema >

Table: Users

Column Name	Type
user_id	int
join_date	date
favorite_brand	varchar

user_id is the primary key of this table.
 This table has the info of the users of an online shopping website where users can sell and buy items.

Table: Orders

Column Name	Type
order_id	int
order_date	date
item_id	int
buyer_id	int
seller_id	int

order_id is the primary key of this table.
 item_id is a foreign key to the Items table.
 buyer_id and seller_id are foreign keys to the Users table.

Table: Items

Column Name	Type
item_id	int
item_brand	varchar

item_id is the primary key of this table.

Write an SQL query to find for each user, whether the brand of the second item (by date) they sold is their favorite brand. If a user sold less than two items, report the answer for that user as no.

It is guaranteed that no seller sold more than one item on a day.

The query result format is in the following example:

Users table:

user_id	join_date	favorite_brand
1	2019-01-01	Lenovo
2	2019-02-09	Samsung
3	2019-01-19	LG
4	2019-05-21	HP

Orders table:

order_id	order_date	item_id	buyer_id	seller_id
1	2019-08-01	4	1	2
2	2019-08-02	2	1	3
3	2019-08-03	3	2	3
4	2019-08-04	1	4	2
5	2019-08-04	1	3	4
6	2019-08-05	2	2	4

Items table:

item_id	item_brand
1	Samsung
2	Lenovo
3	LG
4	HP

Result table:

seller_id	2nd_item_fav_brand
1	no
2	yes
3	yes
4	no

The answer for the user with id 1 is no because they sold nothing.
 The answer for the users with id 2 and 3 is yes because the brands of their second sold items are their favorite brands.
 The answer for the user with id 4 is no because the brand of their second sold item is not their favorite brand.

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Write your MySQL query statement below