

1364. Number of Trusted Contacts of a Customer

Description

Table: Customers

Column Name	Type
customer_id	int
customer_name	varchar
email	varchar

customer_id is the column of unique values for this table.
Each row of this table contains the name and the email of a customer of an online shop.

Table: Contacts

Column Name	Type
user_id	id
contact_name	varchar
contact_email	varchar

(user_id, contact_email) is the primary key (combination of columns with unique values) for this table.
Each row of this table contains the name and email of one contact of customer with user_id.
This table contains information about people each customer trust. The contact may or may not exist in the Customers table.

Table: Invoices

Column Name	Type
invoice_id	int
price	int
user_id	int

invoice_id is the column of unique values for this table.
Each row of this table indicates that user_id has an invoice with invoice_id and a price.

Write a solution to find the following for each invoice_id :

- customer_name : The name of the customer the invoice is related to.
- price : The price of the invoice.
- contacts_cnt : The number of contacts related to the customer.
- trusted_contacts_cnt : The number of contacts related to the customer and at the same time they are customers to the shop. (i.e their email exists in the Customers table.)

Return the result table ordered by invoice_id .

The result format is in the following example.

Example 1:

Input:

Customers table:

customer_id	customer_name	email
1	Alice	alice@leetcode.com
2	Bob	bob@leetcode.com
13	John	john@leetcode.com
6	Alex	alex@leetcode.com

Contacts table:

user_id	contact_name	contact_email
1	Bob	bob@leetcode.com
1	John	john@leetcode.com
1	Jal	jal@leetcode.com
2	Omar	omar@leetcode.com
2	Meir	meir@leetcode.com
6	Alice	alice@leetcode.com

Invoices table:

invoice_id	price	user_id
77	100	1
88	200	1
99	300	2
66	400	2
55	500	13
44	60	6

Output:

invoice_id	customer_name	price	contacts_cnt	trusted_contacts_cnt
44	Alex	60	1	1
55	John	500	0	0
66	Bob	400	2	0
77	Alice	100	3	2
88	Alice	200	3	2
99	Bob	300	2	0

Explanation:

Alice has three contacts, two of them are trusted contacts (Bob and John).
Bob has two contacts, none of them is a trusted contact.
Alex has one contact and it is a trusted contact (Alice).
John doesn't have any contacts.

