Supercloud Customer [Microsoft SQL Interview Question]

A Microsoft Azure Supercloud customer is defined as a company that purchases at least one product from each product category.

Write a query that effectively identifies the company ID of such Supercloud customers.

As of 5 Dec 2022, data in the `customer_contracts` *and* `products` *tables were updated.*

`customer_contracts` Table:

Column Name	Type
customer_id	integer
product_id	integer
amount	integer

`customer_contracts` Example Input:

customer_id	product_id	amount
1	1	1000
1	3	2000
1	5	1500
2	2	3000
2	6	2000

`products` Table:

Column Name	Type
product_id	integer
product_category	string
product_name	string

`products` Example Input:

product_id	product_category	product_name
1	Analytics	Azure Databricks
2	Analytics	Azure Stream Analytics
4	Containers	Azure Kubernetes Service
5	Containers	Azure Service Fabric
6	Compute	Virtual Machines
7	Compute	Azure Functions

Example Output:

customer_id
1

Explanation:

Customer 1 bought from Analytics, Containers, and Compute categories of Azure, and thus is a Supercloud customer. Customer 2 isn't a Supercloud customer, since they don't buy any container services from Azure.

The dataset you are querying against may have different input & output - **this is just an example**!