

# Problem 1045: Customers Who Bought All Products

## Problem Information

Difficulty: **Medium**

Acceptance Rate: 63.45%

Paid Only: No

Tags: Database

## Problem Description

Table: `Customer`

```
+-----+-----+ | Column Name | Type | +-----+-----+ | customer_id | int | |
product_key | int | +-----+-----+ This table may contain duplicates rows. customer_id
is not NULL. product_key is a foreign key (reference column) to Product table.
```

Table: `Product`

```
+-----+-----+ | Column Name | Type | +-----+-----+ | product_key | int |
+-----+-----+ product_key is the primary key (column with unique values) for this table.
```

Write a solution to report the customer ids from the `Customer` table that bought all the products in the `Product` table.

Return the result table in **any order**.

The result format is in the following example.

**Example 1:**

```
**Input:** Customer table: +-----+-----+ | customer_id | product_key |
+-----+-----+ | 1 | 5 | | 2 | 6 | | 3 | 5 | | 3 | 6 | | 1 | 6 | +-----+-----+ Product
table: +-----+ | product_key | +-----+ | 5 | | 6 | +-----+ **Output:** +-----+
| customer_id | +-----+ | 1 | | 3 | +-----+ **Explanation:** The customers who bought
all the products (5 and 6) are customers with IDs 1 and 3.
```

## Code Snippets

### MySQL:

```
# Write your MySQL query statement below
```

### MS SQL Server:

```
/* Write your T-SQL query statement below */
```

### PostgreSQL:

```
-- Write your PostgreSQL query statement below
```