**175. Combine Two Tables**

Easy

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SQL Schema

Table: Person

+-------------+---------+

| Column Name | Type |

+-------------+---------+

| PersonId | int |

| FirstName | varchar |

| LastName | varchar |

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PersonId is the primary key column for this table.

Table: Address

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| Column Name | Type |

+-------------+---------+

| AddressId | int |

| PersonId | int |

| City | varchar |

| State | varchar |

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AddressId is the primary key column for this table.

Write a SQL query for a report that provides the following information for each person in the Person table, regardless if there is an address for each of those people:

FirstName, LastName, City, State

合并数据库

<http://www.runoob.com/sql/sql-join.html>

合并数据库有三种 inner, full and outer join

**SQL LEFT JOIN 语法**

SELECT *column\_name(s)*  
FROM *table1*  
LEFT JOIN *table2*  
ON *table1.column\_name*=*table2.column\_name*;

Solution:

因为这两个数据库逻辑是有人名不一定有地址，但有地址一定会有人名所以使用left join时，左表为person，右表为address。然后personId是识别人的关键

Select FirstName, LastName, City, State

From Person

Left join Address

On Person.PersonId = Address.PersonId