

# LeetCode SQL Problem Solving Questions With Solutions

## LeetCode SQL Solutions

### 175. Combine Two Tables | Easy | [LeetCode](#)

Table: Person

TEXT

+-----+-----+		
Column Name	Type	
+-----+-----+		
PersonId	int	
FirstName	varchar	
LastName	varchar	
+-----+-----+		

PersonId is the primary key column for this table.

## Table: Address

TEXT

+-----+-----+	
Column Name	Type
+-----+-----+	
AddressId	int
PersonId	int
City	varchar
State	varchar
+-----+-----+	

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:

TEXT

FirstName, LastName, City, State

## Solution

SQL

```
SELECT p.FirstName, p.LastName, a.City, a.State
FROM Person p
LEFT JOIN Address a
ON p.PersonId = a.PersonId;
```



## 176. Second Highest Salary | Easy | [LeetCode](#)

Write a SQL query to get the second highest salary from the Employee table.

TEXT

```
+-----+-----+
| Id | Salary |
+-----+-----+
| 1  | 100    |
| 2  | 200    |
| 3  | 300    |
+-----+-----+
```

For example, given the above Employee table, the query should return 200 as the second highest salary. If there is no second highest salary, then the query should return null.

TEXT

```
+-----+
| SecondHighestSalary |
+-----+
| 200                  |
+-----+
```

## Solution

SQL

#Solution 1:

```
SELECT Max(Salary) SecondHighestSalary
FROM Employee WHERE Salary < (SELECT MAX(Salary) FROM Employee)
```

#Solution 2:

```
WITH CTE AS (SELECT DISTINCT Salary
FROM Employee
ORDER BY Salary DESC
LIMIT 2)
```

```
SELECT Salary as SecondHighestSalary
FROM CTE
ORDER BY Salary Asc
LIMIT 1;
```

