Practice SQL

**511. Game Play Analysis I**

Table: Activity

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

| Column Name | Type |

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

| player\_id | int |

| device\_id | int |

| event\_date | date |

| games\_played | int |

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

(player\_id, event\_date) is the primary key (combination of columns with unique values) of this table.

This table shows the activity of players of some games.

Each row is a record of a player who logged in and played a number of games (possibly 0) before logging out on someday using some device.

Write a solution to find the first login date for each player.

Return the result table in any order.

The result format is in the following example.

Input:

Activity table:

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

| player\_id | device\_id | event\_date | games\_played |

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

| 1 | 2 | 2016-03-01 | 5 |

| 1 | 2 | 2016-05-02 | 6 |

| 2 | 3 | 2017-06-25 | 1 |

| 3 | 1 | 2016-03-02 | 0 |

| 3 | 4 | 2018-07-03 | 5 |

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

Output:

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

| player\_id | first\_login |

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

| 1 | 2016-03-01 |

| 2 | 2017-06-25 |

| 3 | 2016-03-02 |

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

Solution:

SELECT player\_id, MIN(event\_date) AS first\_login

FROM Activity

GROUP BY player\_id