#LeetCode

#511 512 550 1097 Game Play Analysis

#Difficulty Level: Easy

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

select player\_id, min(event\_date) as first\_login

from Activity

group by player\_id

#Difficulty Level: Easy

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

select b.player\_id, b.device\_id

from activity b

join (select player\_id,min(event\_date) as date1

from activity

group by player\_id) a

on a.player\_id=b.player\_id

and a.date1=b.event\_date

#Difficulty Level: Medium

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

Select a.player\_id, a.event\_date, sum(b.games\_played) as games\_played\_so\_far

from Activity a join

Activity b

on a.event\_date>=b.event\_date

and a.player\_id=b.player\_id

group by a.player\_id, a.event\_date

order by a.player\_id

#Difficulty level: Medium

# Write your MySQL query statement below

select round (count(\*)/(Select count(distinct(player\_id)) from activity),2) as

fraction from

Activity a

join (Select player\_id, min(event\_date) as event\_date from activity

group by player\_id) x

on a.event\_date=x.event\_date +1

and a.player\_id= x.player\_id

#Difficulty level: Hard

# Write your MySQL query statement below

Select x.event\_date as install\_dt,

count(\*) as installs,

round(count(a.player\_id)/count(\*) ,2)as Day1\_retention

from activity a

right join (Select player\_id, min(event\_date) as event\_date

from activity

group by player\_id) x

on x.player\_id=a.player\_id

and a.event\_date=x.event\_date+1

group by x.event\_date