# Combine two tables Write your MySQL query statement below

select p.firstName,p.lastName,a.city,a.state from Person p left join Address a on p.personId=a.personId

# game analysis 2 Write your MySQL query statement below

select A1.player\_id,A1.device\_id  from Activity A1 where (A1.player\_id,A1.event\_date) in (select A2.player\_id,min(A2.event\_date) from Activity A2 group by A2.player\_id)

# game analysis 3 Write your MySQL query statement below

Select player\_id,event\_date,sum(games\_played) over(partition by player\_id order by event\_date) as games\_played\_so\_far from Activity order by player\_id

# shortest distance Write your MySQL query statement below

select round(sqrt(min(pow(p1.x-p2.x,2)+pow(p1.y-p2.y,2))),2) as shortest from Point2D p1 join Point2D p2 on p1.x!=p2.x or p1.y!=p2.y

# Increasing purchase Write your MySQL query statement below

with yearlycte as(select customer\_id, year(order\_date) as years, sum(price) as price from Orders group by year(order\_date),customer\_id)

select y1.customer\_id from yearlycte y1 left join yearlycte y2 on y1.customer\_id=y2.customer\_id and y1.years+1= y2.years and y1.price<y2.price group by y1.customer\_id having count(\*)-count(y2.customer\_id)=1;