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1. Find the 3rd highest paid player.

select Salaries.PlayerID,Amount,FirstName,LastName from Salaries,Players where
Salaries.Amount = (select distinct Amount from Salaries order by Amount DESC LIMIT 2,1)
and Salaries.PlayerID = Players.PlayerID;

```
mysql> select Salaries.PlayerID,Amount,FirstName,LastName from Salaries,Players  
where Salaries.Amount = (select distinct Amount from Salaries order by Amount D  
ESC LIMIT 2,1) and Salaries.PlayerID = Players.PlayerID;
```

2. Find the 3rd lowest paid player.

select Salaries.PlayerID,Amount,FirstName,LastName from Salaries,Players where
Salaries.Amount = (select distinct Amount from Salaries order by Amount LIMIT 2,1) and
Salaries.PlayerID = Players.PlayerID;

```
mysql> select Salaries.PlayerID,Amount,FirstName,LastName from Salaries,Players  
where Salaries.Amount = (select distinct Amount from Salaries order by Amount LI  
MIT 2,1) and Salaries.PlayerID = Players.PlayerID;
```

Announcement:

For problem 3~6, I didn't see any goals record tabel, so I assume there are one more table
which recode the GoalId and Goals

```
mysql> describe Goal;
```

Field	Type	Null	Key	Default	Extra
Goals	int(11)	YES		NULL	
GoalId	varchar(255)	YES		NULL	

3. Which position scored the most goals?

No have an idea.

4. Which players never scored?

select FirstName,LastName from Players as p1 where not exists(select * from ScoredGoals
as p2 where p1.PlayerID = p2.PlayerID)

```
mysql> select FirstName,LastName from Players as p1 where not exists(select * fr  
om ScoredGoals as p2 where p1.PlayerID = p2.PlayerID);
```

5. Which player scored the most goals?

select FirstName,LastName from Players,ScoredGoals where Players.PlayerID =
ScoredGoals.PlayerID and ScoredGoals.GoalId = (select GoalId from Goal order by Goals
Desc limit 1);

6. Which player scored the most goals in a single game?

No have an idea.

7. What is the salary paid per goal per position?

select Amount, GoalId, PositionName from Salaries, ScoredGoals, Positions, Players where
Players.PositionID = Positions.PositionID and Players.PlayerID = Salaries.PlayerID and
Players.PlayerID = ScoredGoals.PlayID;

```
mysql> select Amount, GoalId, PositionName from Salaries, ScoredGoals, Positions, P  
layers where Players.PositionID = Positions.PositionID and Players.PlayerID = Sa  
laries.PlayerID and Players.PlayerID = ScoredGoals.PlayID;
```

8. What is the average minute of scoredgoals for each game?

select GameID, avg(Minute) from ScoredGoals group by GameID;

```
select GameID, avg(Minute) from ScoredGoals group by GameID;
```

9. What should the Salaries table look like if we needed to track historical data?

SalaryId	PlayerId	Amount	hist
1032	1	78.50	2018-03-23
4311	2	7843.50	NULL
4211	3	143.50	NULL
4211	4	143.50	NULL
454	5	2243.00	NULL