

Olympic Gold Medal

Q1)-- Write a query to find no of Gold medal per swimmer for swimmer who won only Gold medals

Solution 1 -- Using Sub Queries

```
select gold as player_name, count(1) as no_of_medals
from events
where gold not in (select bronze from events UNION ALL select Silver from events)
group by gold;
```

Solution 2 -- Using Group By Having cte

```
with cte as (
select gold as player_name, 'gold' as medal_type from events
Union ALL select bronze, 'bronze' as medal_type from events
UNION ALL select Silver, 'silver' as medal_type from events)
select player_name, count(1) as no_of_gold_medals
from cte
group by player_name
having count(distinct medal_type)=1 and max(medal_type)='gold'
```

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Business Days

Q2) /* Write a Sql to find Business Day Between Create Date and Resolved Date by Excluding weekends and public holidays */

Solution -

```
Select *  
,datediff(day,create_date,resolved_date) as actual_days  
,datediff(day,create_date,resolved_date) - 2*datediff(week,create_date,resolved_date)  
- no_of_holidays  
as business_days  
From  
(select ticket_id,create_date,resolved_date,Count(holiday_date) as no_of_holidays  
from tickets  
left join holidays on holiday_date between create_date and resolved_date  
group by ticket_id,create_date,resolved_date)A
```

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