databricks notebook2

(https://databricks.com/)

```
select * from athlete_events;
```

Table

	ID	Name	Sex
1	1	A Dijiang	M
2	2	A Lamusi	M
3	3	Gunnar Nielsen Aaby	M
4	4	Edgar Lindenau Aabye	M
5	5	Christine Jacoba Aaftink	F
6	5	Christine Jacoba Aaftink	F
7	5	Christine Jacoba Aaftink	F

Truncated results, showing first 1,000 rows.

```
select * from noc;
```

Table

	NOC	region	notes
1	AFG	Afghanistan	null
2	AHO	Curacao	Netherlands Antilles
3	ALB	Albania	null
4	ALG	Algeria	null
5	AND	Andorra	null
6	ANG	Angola	null
7	ANT	Antigua	Antigua and Barbuda

Showing all 230 rows.

```
-- Total medal count per country

select noc,
sum(case when medal='Gold' then 1 else 0 end) as gold_count,
sum(case when medal='Silver' then 1 else 0 end) as silver_count,
sum(case when medal='Bronze' then 1 else 0 end) as bronze_count
from athlete_events
group by noc
order by gold_count desc;
```

Table

	noc	gold_count	silver_count	bronze_count	
1	USA	2638	1641	1358	
2	URS	1082	732	689	
3	GER	745	674	746	
4	GBR	678	739	651	
5	ITA	575	531	531	
6	FRA	501	610	666	
7	SWE	479	522	535	

Showing all 230 rows.

```sql
-- total gold, silver and broze medals won by each country corresponding to each
olympic games

select noc,games,
sum(case when medal='Gold' then 1 else 0 end) as gold_count,
sum(case when medal='Silver' then 1 else 0 end) as silver_count,
sum(case when medal='Bronze' then 1 else 0 end) as bronze_count
from athlete_events
group by noc,games
order by gold_count desc
```

Table

	noc	games	gold_count	silver_count	bronze_count	
1	URS	1980 Summer	187	129	126	
2	USA	1984 Summer	186	116	50	
3	USA	1996 Summer	159	48	52	
4	GBR	1908 Summer	147	131	90	
5	USA	2012 Summer	145	57	46	
6	USA	2016 Summer	139	54	71	
7	URS	1988 Summer	134	67	99	

Truncated results, showing first 1,000 rows.

```
-- display which country won the most gold, silver, and bronze medals in each olympic
games

with final_t as (select noc,games,
sum(case when medal='Gold' then 1 else 0 end) as gold_count,
sum(case when medal='Silver' then 1 else 0 end) as silver_count,
sum(case when medal='Bronze' then 1 else 0 end) as bronze_count
from athlete_events
group by noc,games
order by games desc),
t1 as(select games,max(gold_count) g, max(silver_count) s,max(bronze_count ) b
from final_t
group by games
order by games),

gold as(
select t.games, concat(t.g, '-',f.noc) as Gold_Max
from final_t f , t1 t
where f.gold_count= t.g and f.games=t.games ),

silver as (select t.games,concat(t.s,'-',f.noc) as Silver_Max
from final_t f , t1 t
where f.silver_count= t.s and f.games=t.games ),

bronze as (select t.games, concat(t.b,'-',f.noc) as Bronze_Max
from final_t f , t1 t
where f.bronze_count= t.b and f.games=t.games )

select gl.games,Gold_Max, Silver_max,Bronze_max
from gold gl, silver sl,bronze bl
where gl.games=sl.games and sl.games=bl.games and bl.games= gl.games
order by gl.games
```

Table

	games	Gold_Max	Silver_max	Bronze_max
1	1896 Summer	25-GER	18-GRE	20-GRE
2	1900 Summer	59-GBR	101-FRA	82-FRA
3	1904 Summer	128-USA	141-USA	125-USA
4	1906 Summer	24-GRE	48-GRE	30-GRE
5	1908 Summer	147-GBR	131-GBR	90-GBR
6	1912 Summer	103-SWE	64-GBR	59-GBR
7	1920 Summer	111-USA	71-FRA	66-BEL

Showing all 53 rows.

Table

	sport	total_medals	
1	Athletics	1071	

Showing 1 row.