-- 1.How many medal counts present for entire data

Query :-

```
select medal,count(*) as medalcount from olympics
where medal <> 'NoMedal'
group by medal;
```

Result :-

medal	medalcount
Gold	13372
Bronze	13295
Silver	13116

- 2. Count of unique sports present in olympics

Query :-

```
select count(distinct Sport) as unique_sports from olympics;
```

Result :-

unique_sports

66

-- 3. How many different medals won by team india

Query :-

```
select count(distinct medal ) as medal_won_india from olympics
where team = "india";
```

Result :-

medal_won_india
4

-- 4. Event wise medals won by india show from highest to lowest medals won in order

Query :-

```
select event, count(*) as total_medal from olympics
where team = "india"
group by event
order by total_medal desc;
```
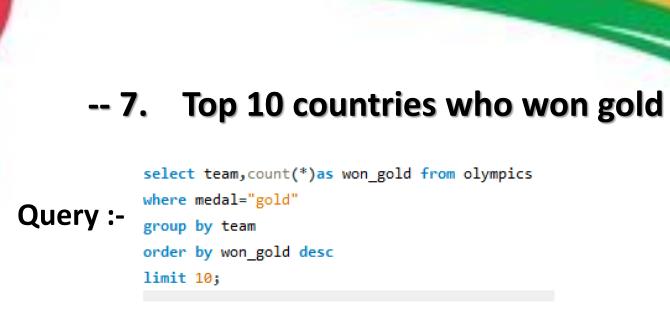
Result :-

event	total_medal
Hockey Mens Hockey	315
Football Mens Football	51
Hockey Womens Hockey	30
Athletics Womens 4 x 400 metres Relay	29
Water Polo Mens Water Polo	19
Athletics Mens Marathon	18
Archery Mens Individual	17
Archery Mens Team	15
Tennis Mens Doubles	14
Wrestling Mens Welterweight Freestyle	14
Athletics Mens 100 metres	14

-- 5. Event wise medals won by india in order of year

Query :-

```sql
SELECT year,event, medal FROM olympics
WHERE team = 'India'
ORDER BY year asc;
```

Result :-
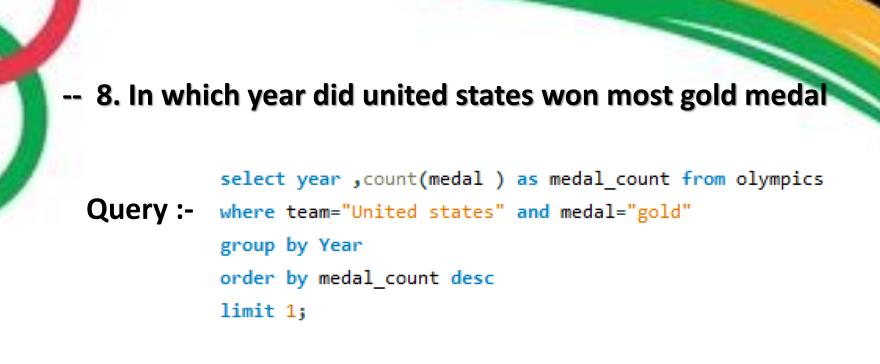
year	event	medal
1900	Athletics Mens 60 metres	NoMedal
1900	Athletics Mens 100 metres	NoMedal
1900	Athletics Mens 200 metres	Silver
1900	Athletics Mens 110 metres Hurdles	NoMedal
1900	Athletics Mens 200 metres Hurdles	Silver
1920	Athletics Mens 100 metres	NoMedal
1920	Athletics Mens 400 metres	NoMedal
1920	Athletics Mens 10000 metres	NoMedal
1920	Athletics Mens Marathon	NoMedal
1920	Athletics Mens Marathon	NoMedal
1920	Wrestling Mens Middleweight Fre...	NoMedal
1920	Wrestling Mens Featherweight Fr...	NoMedal
1924	Tennis Mens Singles	NoMedal
1924	Tennis Mens Singles	NoMedal
1924	Athletics Mens 100 metres	NoMedal
1924	Athletics Mens 200 metres	NoMedal
1924	Athletics Mens 100 metres	NoMedal
1924	Athletics Mens 200 metres	NoMedal
1924	Tennis Mens Singles	NoMedal

year	event	medal
1924	Tennis Womens Singles	NoMedal
1924	Tennis Mixed Doubles	NoMedal
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Alpinism Mixed Alpinism	Gold
1924	Athletics Mens Long Jump	NoMedal
1924	Athletics Mens Marathon	NoMedal
1924	Athletics Mens 1500 metres	NoMedal
1924	Athletics Mens 5000 metres	NoMedal
1924	Athletics Mens 10000 metres	NoMedal
1924	Tennis Mens Singles	NoMedal
1928	Athletics Mens 110 metres Hurdles	NoMedal
1928	Athletics Mens 400 metres Hurdles	NoMedal
1928	Hockey Mens Hockey	Gold
1928	Hockey Mens Hockey	Gold

-- 6. Country who won maximum medals.

Query :-

```
select team,count(*)as max_won   from olympics
group by team
order by max_won desc
limit 1;
```

Result :-

team	max_won
United States	17847
	17

-- 7.   Top 10 countries who won gold

Query :-

```sql
select team,count(*)as won_gold from olympics
where medal="gold"
group by team
order by won_gold desc
limit 10;
```

Result :-
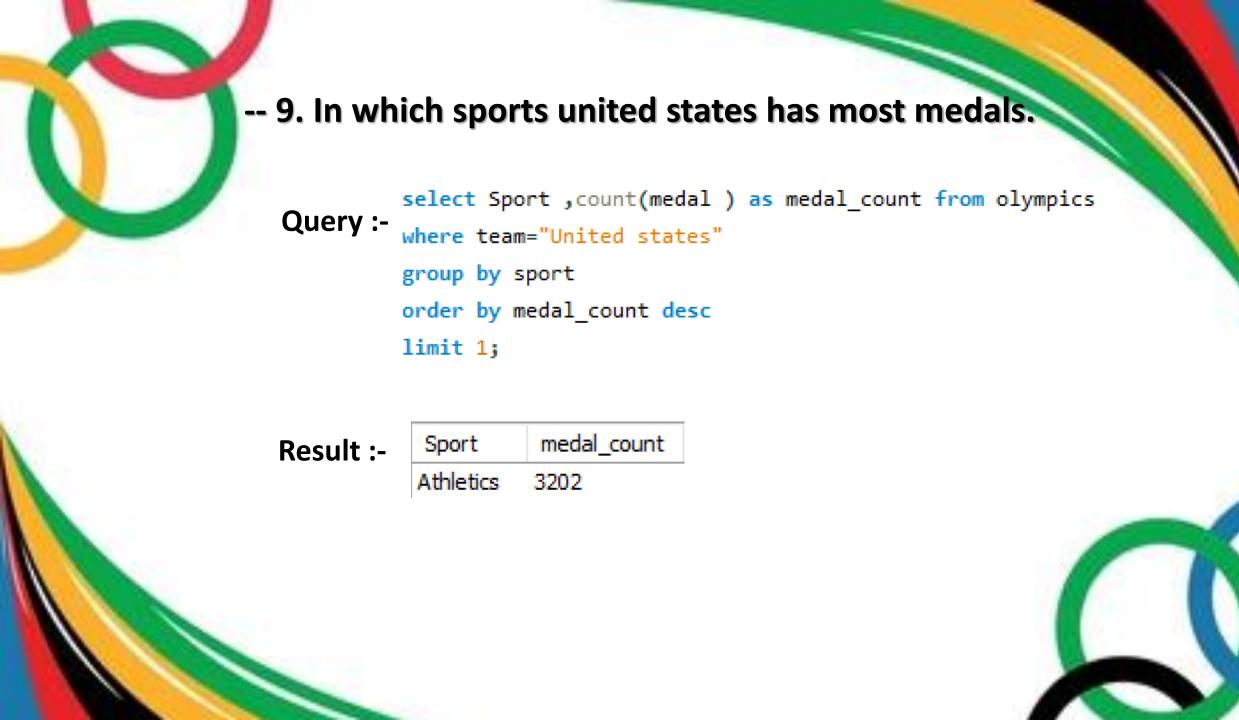
team	won_gold
United States	2474
Soviet Union	1058
Germany	679
Italy	535
Great Britain	519
France	455
Sweden	451
Hungary	432
Canada	422
East Germany	369

-- 8. In which year did united states won most gold medal

Query :-
```
select year ,count(medal ) as medal_count from olympics
where team="United states" and medal="gold"
group by Year
order by medal_count desc
limit 1;
```

Result :-

year	medal_count
1984	190

-- 9. In which sports united states has most medals.

Query :-

```
select Sport ,count(medal ) as medal_count from olympics
where team="United states"
group by sport
order by medal_count desc
limit 1;
```

Result :-

Sport	medal_count
Athletics	3202

-- 10.Top three players who won most medals along with their sports and country

Query :-
```sql
select name, sport,team ,count(medal) as total_medals from olympics
group by name ,sport,team
order by total_medals desc
limit 3;
```

Result :-

name	sport	team	total_medals
Robert Tait McKenzie	Art Competitions	Canada	58
Heikki Ilmari Savolainen	Gymnastics	Finland	39
Joseph Josy Stoffel	Gymnastics	Luxembourg	38

-- 11. Player with most gold medals in cycling along with his country.

Query :-

```
select name,team,sport ,count(medal) as total_medals from olympics
where sport ="cycling" and medal="gold"
group by name , team ,sport
order by total_medals desc
limit 1;
```

Result :-

name	team	sport	total_medals
Christopher Andrew Chris Hoy	Great Britain	Cycling	6

-- 12. Player with most medals (gold+silver+bronze) in basketball also show his country.

Query :-
```
select name,sport ,count(*) as total_medals from olympics
where sport ="basketball"
group by name ,sport
order by total_medals desc
limit 1;
```

Result :-

name	sport	total_medals
Adriana Adrianinha Moiss Pinto	Basketball	5

-- 13. The count of different medals of the top basketball player teresa edwards

Query :-
```
select name , medal,count(*) from olympics
where name= "Teresa Edwards"
group by medal;
```

Result :-

name	medal	count(*)
Teresa Edwards	Gold	4
Teresa Edwards	Bronze	1

-- 14. Medals won by male,female each year , export this data and plot graph in excel

Query :-
```
select sex,Year,count(medal) as medal_count from olympics
group by sex ,Year
order by sex,Year;
```

Result :-

sex	Year	medal_count
F	1900	33
F	1904	16
F	1906	11
F	1908	47
F	1912	87
F	1920	134
F	1924	261
F	1928	437
F	1932	369
F	1936	549
F	1948	761
F	1952	1682
F	1956	1139
F	1960	1730
F	1964	1752
F	1968	2193
F	1972	2608
F	1976	2606
F	1980	2186
F	1984	2983