SQL Project

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1. Show how many medal counts present for entire data

```sql
select medal,count(medal) as medalcount from olympics
group by medal
order by medalcount;
```

	medal	medalcount
▶	Silver	13116
	Bronze	13295
	Gold	13372
	NoMedal	231333

2. Show count of unique sports present in Olympics

```sql
• select count(distinct sport) as count_sport

from olympics;
```

	count_sport
▶	66

3. Show how many different medals won by team India

```sql
select medal,count(medal) as medal_count from olympics
where Team = "India"
group by medal
order by medal_count;
```

medal	medal_count
Silver	19
Bronze	40
Gold	138
NoMedal	1203

4. Show event wise medals won by India show from highest to lowest medals won in order

```sql
select event,count(medal) as medal_count
from olympics
where team = 'india' and medal<>'NoMedal'
group by event
order by medal_count desc;
```

event	medal_count
Hockey Mens Hockey	173
Alpinism Mixed Alpinism	7
Shooting Mens Air Rifle 10 metres	2
Wrestling Mens Welterweight Freestyle	2
Badminton Womens Singles	2
Wrestling Mens Lightweight Freestyle	1
Wrestling Mens Bantamweight Freestyle	1
Boxing Womens Flyweight	1
Shooting Mens RapidFire Pistol 25 metres	1
Wrestling Womens Lightweight Freestyle	1
Weightlifting Womens LightHeavyweight	1
Tennis Mens Singles	1
Athletics Mens 200 metres	1
Athletics Mens 200 metres Hurdles	1
Shooting Mens Double Trap	1
Boxing Mens Middleweight	1

5. Show event wise medals won by India in order of year

```sql
select event, year, count(medal) as count_medal
from olympics
where team= 'india' and medal <>'NoMedal'
group by event,year
order by year desc;
```

event	year	count_medal
Wrestling Womens Lightweight Freestyle	2016	1
Badminton Womens Singles	2016	1
Wrestling Mens Lightweight Freestyle	2012	1
Boxing Womens Flyweight	2012	1
Wrestling Mens Welterweight Freestyle	2012	1
Shooting Mens RapidFire Pistol 25 metres	2012	1
Shooting Mens Air Rifle 10 metres	2012	1
Badminton Womens Singles	2012	1
Shooting Mens Air Rifle 10 metres	2008	1
Wrestling Mens Welterweight Freestyle	2008	1
Boxing Mens Middleweight	2008	1
Shooting Mens Double Trap	2004	1
Weightlifting Womens LightHeavyweight	2000	1

Tennis Mens Singles	1996	1	
Hockey Mens Hockey	1980	16	
Hockey Mens Hockey	1972	14	
Hockey Mens Hockey	1968	16	
Hockey Mens Hockey	1964	15	
Hockey Mens Hockey	1960	13	
Hockey Mens Hockey	1956	17	
Hockey Mens Hockey	1952	14	
Wrestling Mens Bantamweight Freestyle	1952	1	
Hockey Mens Hockey	1948	20	
Hockey Mens Hockey	1936	19	
Hockey Mens Hockey	1932	15	
Hockey Mens Hockey	1928	14	
Alpinism Mixed Alpinism	1924	7	
Athletics Mens 200 metres	1900	1	
Athletics Mens 200 metres Hurdles	1900	1	

6. show country who won maximum medals.

```sql
select team, count(medal) as count_medal
from olympics
where medal<>'NoMedal'
group by team
order by count_medal desc
limit 1;
```

team	count_medal
▶ United States	5219

7.show top 10 countries who won gold

- ```sql
  select team ,medal, count(medal) as count_medal
  from olympics
  where medal<>'NoMedal' and medal = 'gold'
  group by  team, medal
  order by count_medal
  limit 10;
  ```

team	medal	count_medal
Cote d'Ivoire	Gold	1
Nepal	Gold	1
Baby-1	Gold	1
Femur-1	Gold	1
United Arab Emirates	Gold	1
Individual Olympic Athletes	Gold	1
Satchmo	Gold	1
Jordan	Gold	1
Israel	Gold	1
Carabinier-15	Gold	1

8. show in which year did United states won most gold medal

```sql
select year, count(medal) as medal_count
from olympics
where  medal<>'NoMedal' and team = 'United State'
group by year
order by medal_count desc
limit 1;
```

	year	count_medal
▶	1984	359

9. In which sports United States has most medals.

```
select sport , count(medal) as count_metal
from olympics
where medal<>'NoMedal' and  team = 'United States'
group by sport
order by count_metal desc
limit 1;
```

sport	count_metal
Athletics	1071

10. Find top three players who won most medals along with their sports and country

```sql
• select name, sport,team,count(medal)as medal_count
  from olympics
  where  medal<>'NoMedal'
  group by name, sport, team
  order by medal_count desc
  limit 3;
```

name	sport	team	medal_count
Michael Fred Phelps II	Swimming	United States	28
Larysa Semenivna Latynina Diriy	Gymnastics	Soviet Union	18
Nikolay Yefimovich Andrianov	Gymnastics	Soviet Union	15

11. Find player with most gold medals in cycling along with his country.

```
• select name,team,sport,count(medal) as count_medal from olympics
  where medal<>'NoMedal' and sport='Cycling' and medal='gold'
  group by name,team,sport
  order by count_medal desc
  limit 1;
```

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

12.Find player with most medals (Gold+Silver+Bronze) in Basketball also show his country.

```sql
• select name,team,sport,count(medal) as medal_count
  from olympics
  where medal<>'NoMedal'and sport='Basketball'
  group by name, team,sport
  order by medal_count desc
  limit 1;
```

name	team	sport	medal_count
Teresa Edwards	United States	Basketball	5

13. Find out the count of different medals of the top basketball player Teresa Edwards

```sql
select medal,sport,name,count(medal) as medal_count
from olympics
where medal<>'NoMedal'and Name='Teresa Edwards'and sport ='Basketball'
group by medal,sport,name
order by medal_count desc;
```

	medal	sport	name	medal_count
▶	Gold	Basketball	Teresa Edwards	4
	Bronze	Basketball	Teresa Edwards	1

14. Find out medals won by male,female each year , Export this data and plot graph in excel

```sql
select sex,year,count(medal) as medal_count
from olympics
where medal<>'NoMedal'
group by sex,year
order by medal_count asc;
```

	sex	year	medal_count
▶	F	1906	6
	F	1904	10
	F	1900	13
	F	1908	16
	F	1912	30
	F	1920	44
	F	1924	52
	F	1932	68
	F	1936	97
	F	1928	103
	F	1994	108
	F	1948	116
	M	1896	143
	F	1952	158
	F	1956	171

F	1956	171
F	1998	189
F	1960	195
F	2002	208
M	1994	223
F	2010	229
F	2006	231
M	1980	1117
M	1972	1119
M	2000	1124
M	1984	1150
M	1988	1228
M	1920	1264
M	1992	1339

Count of Sex

Total

Year