

SQL Session 8 : Project

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Q1. Show how many medal counts present for entire data.

```
select medal, count(medal) as medal_count
from olympics
group by medal
order by medal_count asc;
```

	medal	medal_count
►	Silver	13116
	Bronze	13295
	Gold	13372
	NoMedal	231333

Q2. Show count of unique Sports are present in olympics.

```
select count(distinct sport) as unique_sports_count  
from olympics;
```

	unique_sports_count
▶	66

Q3. Show how many different medals won by Team India in data.

```
select medal, count(medal) as medal_count
from olympics
where team = 'india'
group by medal
order by medal_count asc;
```

medal	medal_count
Silver	19
Bronze	40
Gold	138
NoMedal	1203

Q4. Show event wise medals won by india show from highest to lowest medals won in order.

```
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

Q5. Show event and yearwise medals won by india in order of year.

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

	event	year	medal_count
►	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

Q6. Show the country with maximum medals won gold, silver, bronze

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

	team	medal_count
▶	United States	5219

Q7. Show the top 10 countries with respect to gold medals

```
select team, count(medal) as gold_medal_count
from olympics
where medal='gold'
group by team
order by gold_medal_count desc
limit 10;
```

	team	gold_medal_count
►	United States	2474
	Soviet Union	1058
	Germany	679
	Italy	535
	Great Britain	519
	France	455
	Sweden	451
	Hungary	432

Q8. Show in which year did United States won most medals

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

	year	medal_count
▶	1984	359

Q9. In which sports United States has most medals

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

	sport	medal_count
▶	Athletics	1071

Q10. Find top 3 players who have won most medals along with their sports and country.

```
select name, sport, team, count(medal) as medal_count
from olympics
where medal <> 'NoMedal'
group by name
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

Q11. Find player with most gold medals in cycling along with his country.

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

	name	sport	team	gold_medal_count
►	Christopher Andrew Chris Hoy	Cycling	Great Britain	6

Q12. Find player with most medals (Gold + Silver + Bronze) in Basketball also show his country.

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

	name	sport	team	medal_count
►	Teresa Edwards	Basketball	United States	5

Q13. Find out the count of different medals of the top basketball player.

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

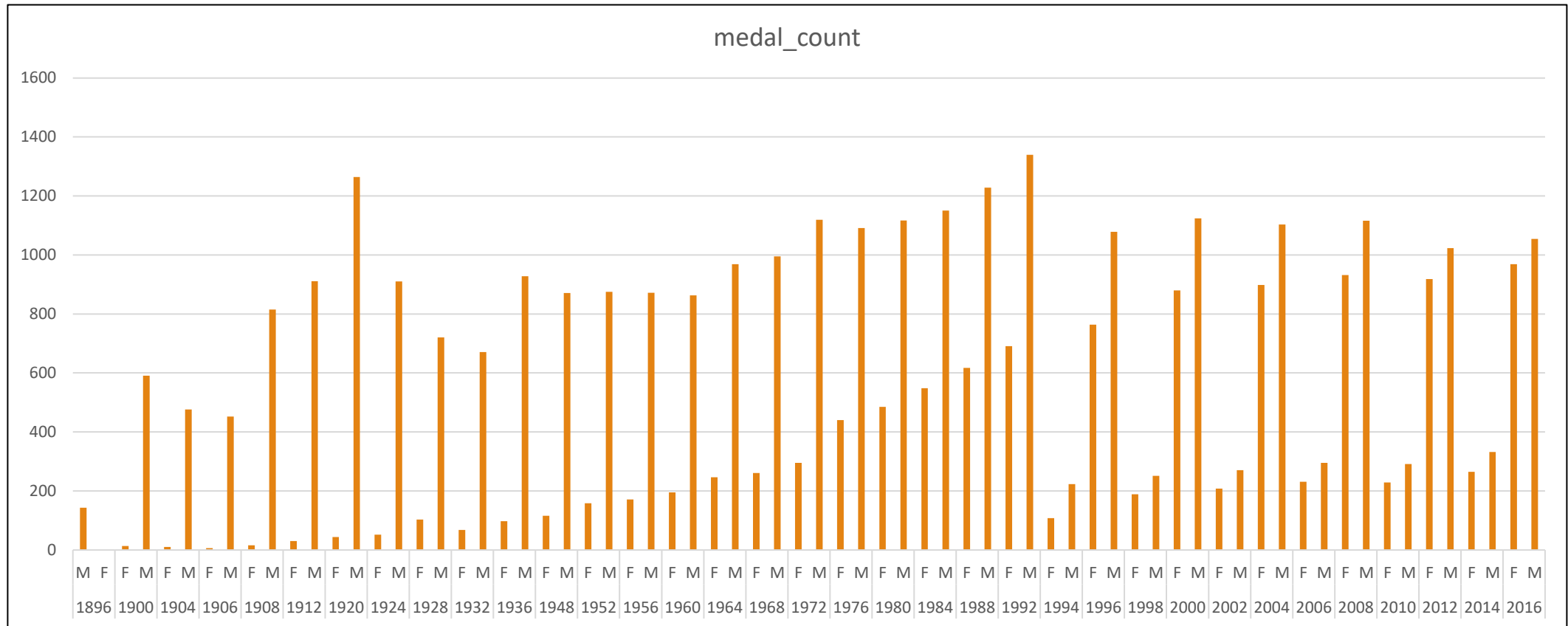
	name	medal	medal_count
►	Teresa Edwards	Gold	4
	Teresa Edwards	Bronze	1

Q14. Find out medals won by male, female each year . Export this data and plot graph in excel.

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

	year	sex	medal_count
►	1896	M	143
	1900	F	13
	1900	M	591
	1904	F	10
	1904	M	476
	1906	F	6
	1906	M	452
	1908	F	16

Q14. Graph for male vs female medals



Thank you

PING ME ON SKYPE FOR ANY QUERIES