Olympic Athletes Project

Project submitted by

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Creating olympics Table

```
• create table olympics
  (ID int,
  Name varchar(400) ,
  Sex varchar(50) ,
  Age int,
  Height  int,
  Weight int ,
  Team varchar(300),
  NOC varchar(300),
  Games varchar(200),
  Year int,
  Season varchar(200),
  City varchar(100),
  Sport varchar (100),
  Event varchar (100),
  Medal varchar(100)
  );
```

Load Data In file

```sql
SHOW VARIABLES LIKE "secure_file_priv";

load data infile
'C:\ProgramData\MySQL\MySQL Server 8.2\Uploads\Athletes_Cleaned.csv'
into table olympics
fields terminated by ','
enclosed by '"'
lines terminated by '\r\n'
ignore 1 rows;
```
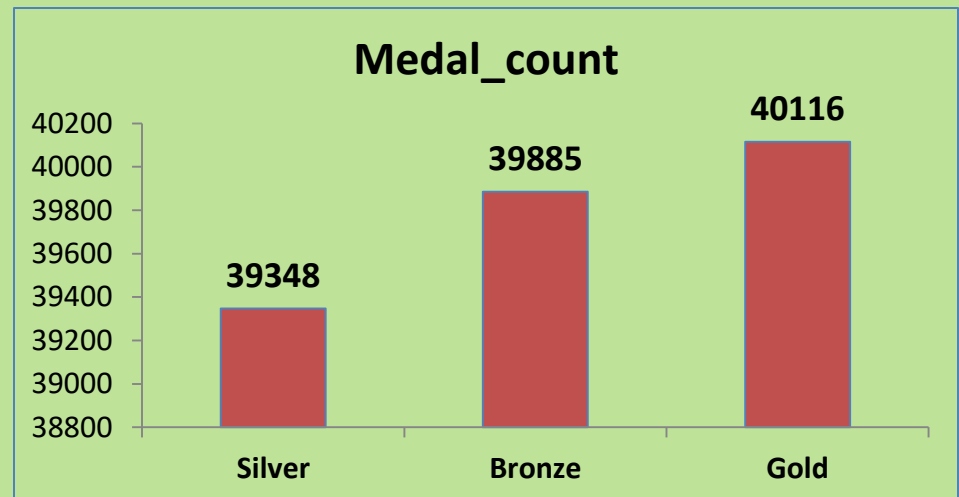
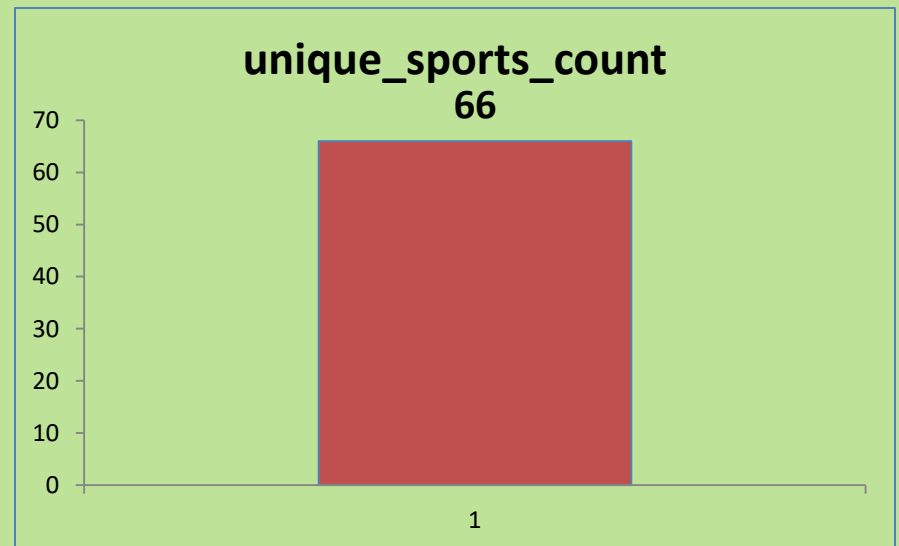# 1. Show how many medal counts present for entire data
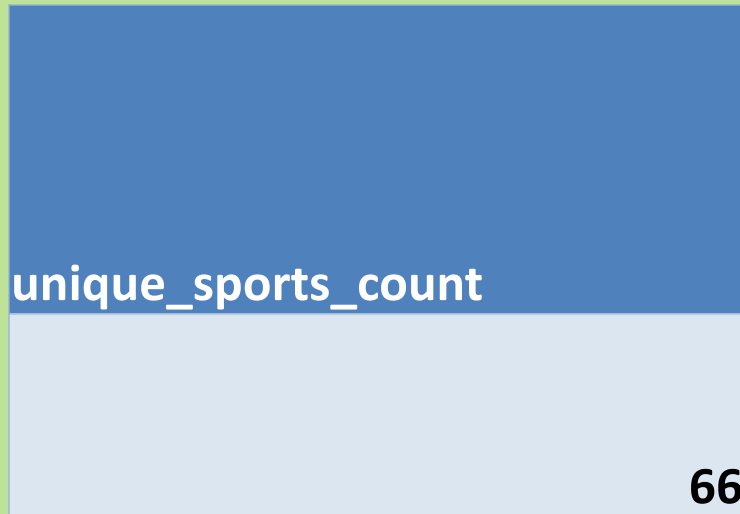
```sql
select medal,count(medal) as medal_count
from olympics
where  medal != 'nomedal'
group by medal
order by medal_count;
```

medal	medal_count
Silver	39348
Bronze	39885
Gold	40116

Medal_count

2. Show count of unique sports present in Olympics

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

unique_sports_count

66

unique_sports_count
66

| 70 |
| 60 |
| 50 |
| 40 |
| 30 |
| 20 |
| 10 |
| 0 |

1

3. Show how many different medals won by team India.

```sql
select    Team,medal,count(medal) as Different_medal
from olympics
where    team ='India' and medal != 'nomedal'
group by medal
order by Different_medal;
```

| Team	medal	Different_medal
India	Silver	57
India	Bronze	120
India	Gold	414

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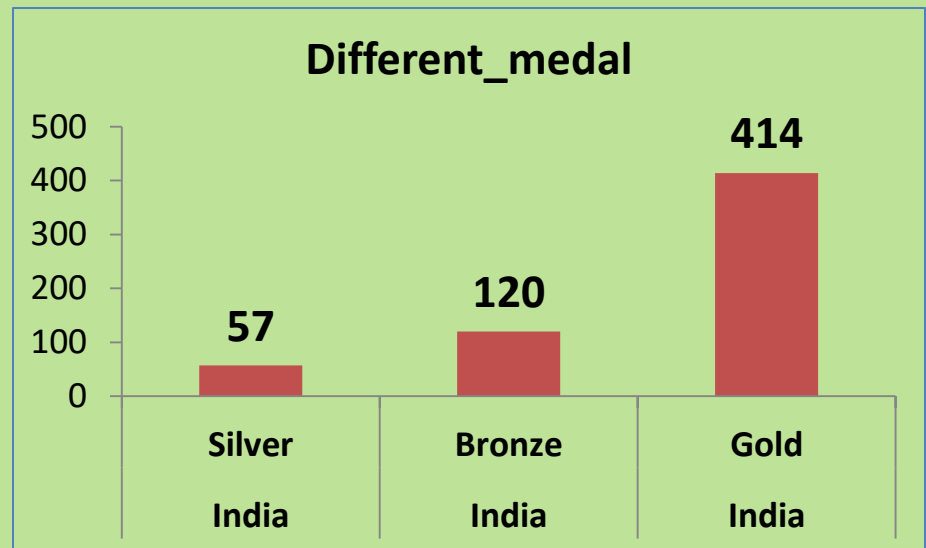
4. Show event wise medals won by India show from highest to lowest medals won in order .

```sql
select Team,event,medal,count(medal) as medal_count
from olympics
where team='India' and medal != 'nomedal'
group by event,medal
order by medal_count desc;
```

Team	event	medal	medal_count
India	Hockey Mens Hockey	Gold	390
India	Hockey Mens Hockey	Bronze	90
India	Hockey Mens Hockey	Silver	39
India	Alpinism Mixed Alpinism	Gold	21
India	Shooting Mens Air Rifle 10 metres	Gold	3
India	Wrestling Mens Lightweight Freestyle	Bronze	3
India	Wrestling Mens Bantamweight Freestyle	Bronze	3
India	Boxing Womens Flyweight	Bronze	3
India	Wrestling Mens Welterweight Freestyle	Bronze	3
India	Wrestling Mens Welterweight Freestyle	Silver	3
India	Shooting Mens RapidFire Pistol 25 metres	Silver	3
India	Wrestling Womens Lightweight Freestyle	Bronze	3
India	Weightlifting Womens LightHeavyweight	Bronze	3
India	Shooting Mens Air Rifle 10 metres	Bronze	3
India	Badminton Womens Singles	Bronze	3
India	Tennis Mens Singles	Bronze	3
India	Athletics Mens 200 metres	Silver	3
India	Athletics Mens 200 metres Hurdles	Silver	3
India	Shooting Mens Double Trap	Silver	3
India	Badminton Womens Singles	Silver	3
India	Boxing Mens Middleweight	Bronze	3
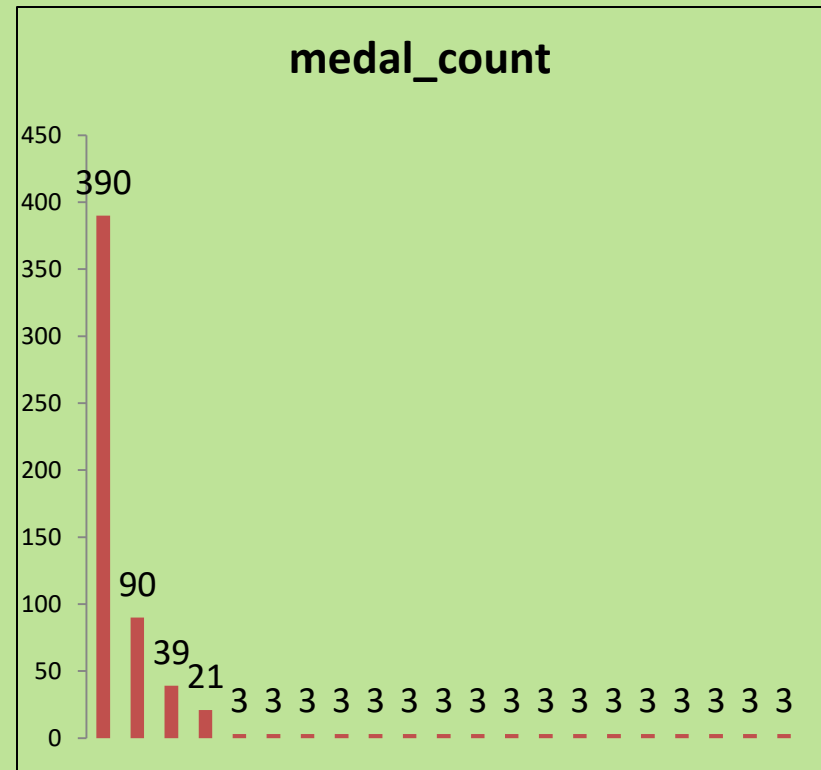
medal_count

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

Team	event	year	medal_count
India	Athletics Mens 200 metres	1900	3
India	Athletics Mens 200 metres Hurdles	1900	3
India	Alpinism Mixed Alpinism	1924	21
India	Hockey Mens Hockey	1928	42
India	Hockey Mens Hockey	1932	45
India	Hockey Mens Hockey	1936	57
India	Hockey Mens Hockey	1948	60
India	Hockey Mens Hockey	1952	42
India	Wrestling Mens Bantamweight Freestyle	1952	3
India	Hockey Mens Hockey	1956	51
India	Hockey Mens Hockey	1960	39
India	Hockey Mens Hockey	1964	45
India	Hockey Mens Hockey	1968	48
India	Hockey Mens Hockey	1972	42
India	Hockey Mens Hockey	1980	48
India	Tennis Mens Singles	1996	3
India	Weightlifting Womens LightHeavyweight	2000	3
India	Shooting Mens Double Trap	2004	3
India	Shooting Mens Air Rifle 10 metres	2008	3
India	Wrestling Mens Welterweight Freestyle	2008	3
India	Boxing Mens Middleweight	2008	3
India	Wrestling Mens Lightweight Freestyle	2012	3
India	Boxing Womens Flyweight	2012	3
India	Wrestling Mens Welterweight Freestyle	2012	3
India	Shooting Mens RapidFire Pistol 25 metres	2012	3
India	Shooting Mens Air Rifle 10 metres	2012	3
India	Badminton Womens Singles	2012	3
India	Wrestling Womens Lightweight Freestyle	2016	3
India	Badminton Womens Singles	2016	3

```
select Team,event,year,count(medal) as medal_count
from olympics
where team='india' and medal != 'nomedal'
group by event,year
order by year;
```
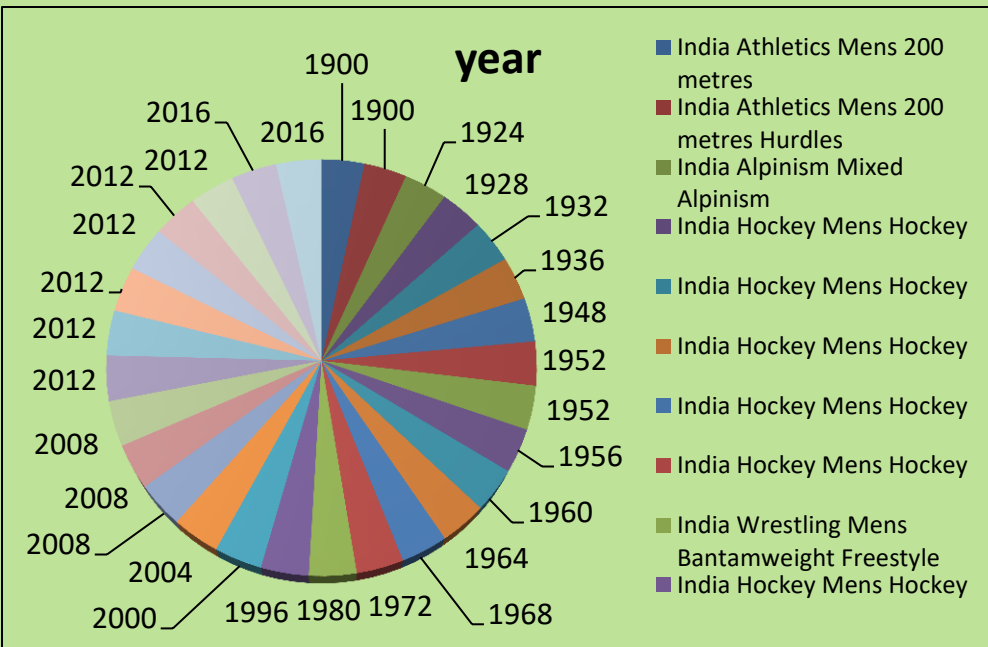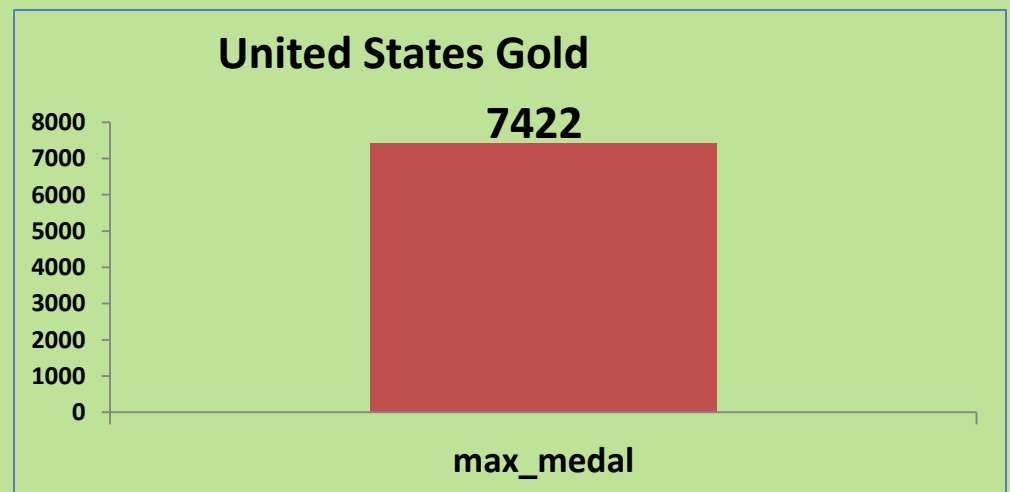
6. show country who won maximum medals.

```sql
select team,medal,count(medal) as max_medal
from olympics
where medal != 'nomedal'
group by team,medal
order by max_medal desc
limit 1;
```
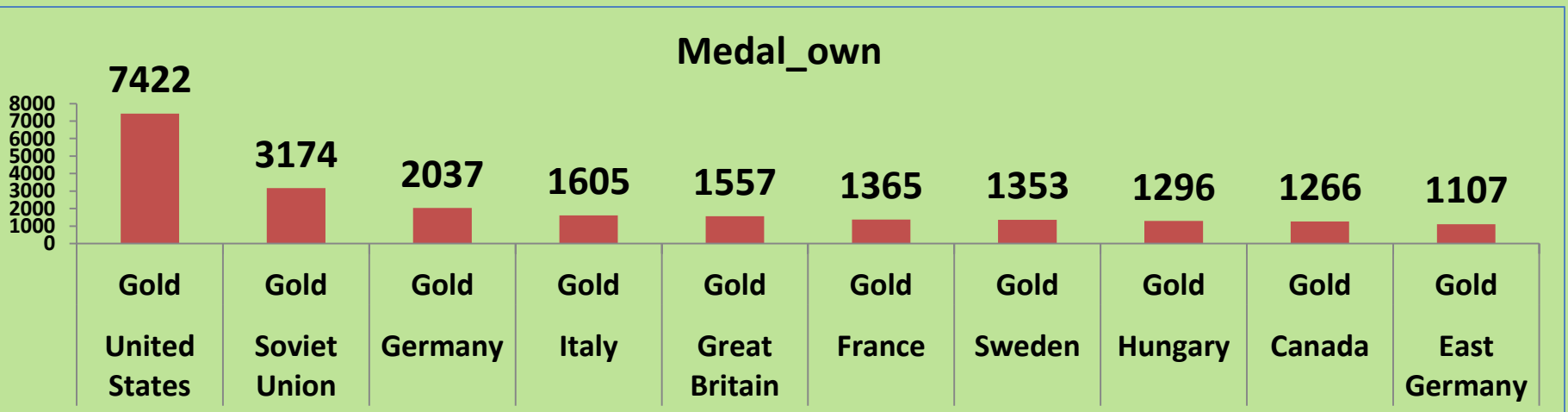
team	medal	max_medal
United States	Gold	7422

United States Gold

7.show top 10 countries who won gold

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

team	medal	Medal_own
United States	Gold	7422
Soviet Union	Gold	3174
Germany	Gold	2037
Italy	Gold	1605
Great Britain	Gold	1557
France	Gold	1365
Sweden	Gold	1353
Hungary	Gold	1296
Canada	Gold	1266
East Germany	Gold	1107

Medal_own

	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
	7422	3174	2037	1605	1557	1365	1353	1296	1266	1107
	United States	Soviet Union	Germany	Italy	Great Britain	France	Sweden	Hungary	Canada	East Germany

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

```sql
select Team,year,medal,count(medal) as Most_Gold
from olympics
where team = 'United States' and medal = 'Gold'
group by year,medal
order by Most_Gold desc
limit 1;
```

Team	year	medal	Most_Gold
United States	1984	Gold	570

United States 1984 Gold 570
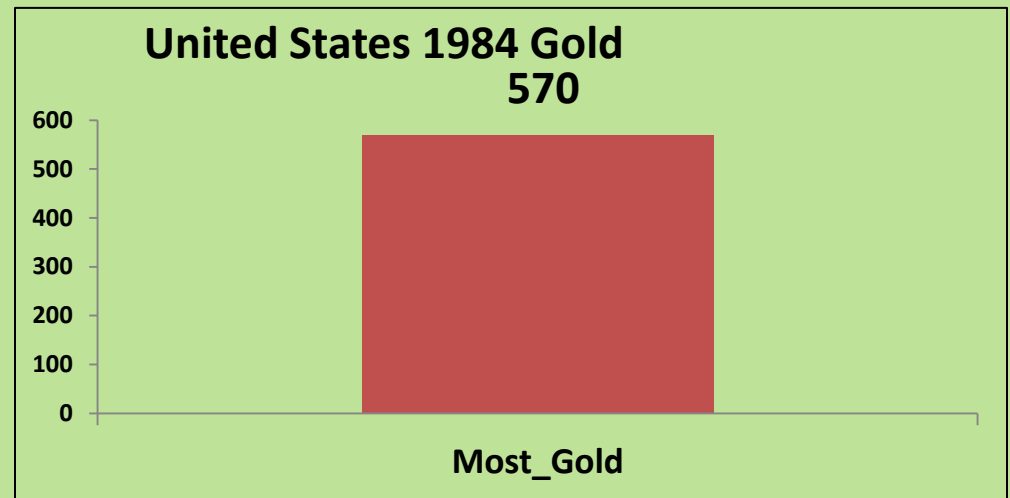
9. In which sports United States has most medals.

```sql
select Team,sport,count(medal) as Most_medal
from olympics
where team='United states' and medal != 'nomedal'
group by Team,sport
order by Most_medal desc
limit 1;
```
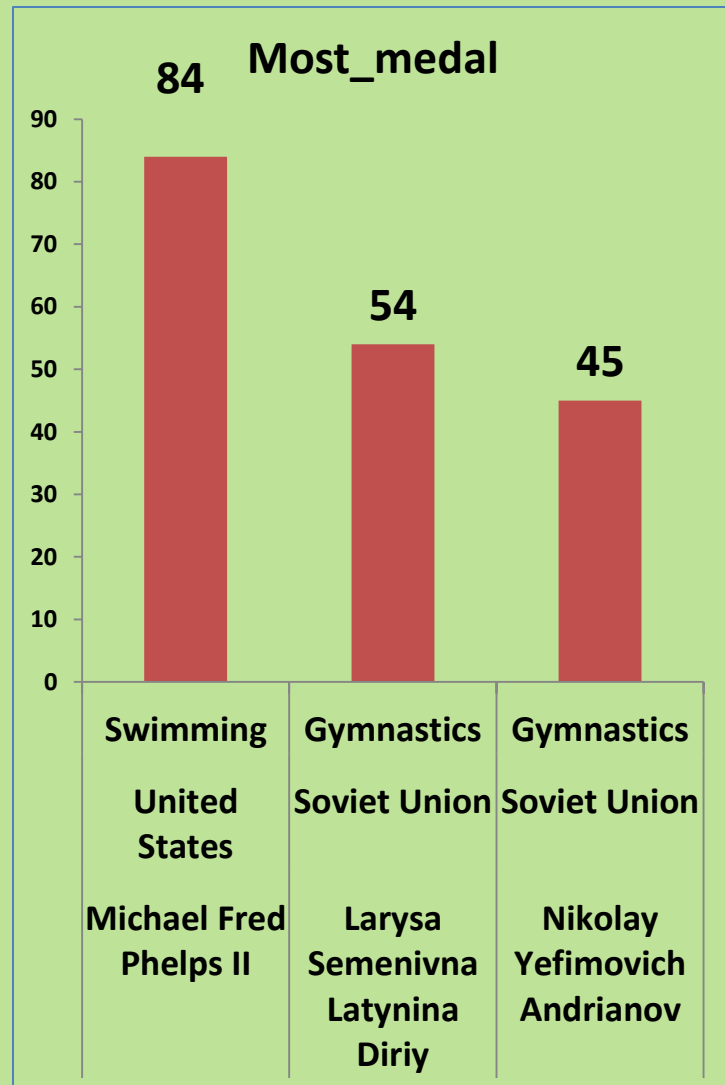
Team	sport	Most_medal
United States	Athletics	3213

United States : Athletics
3213
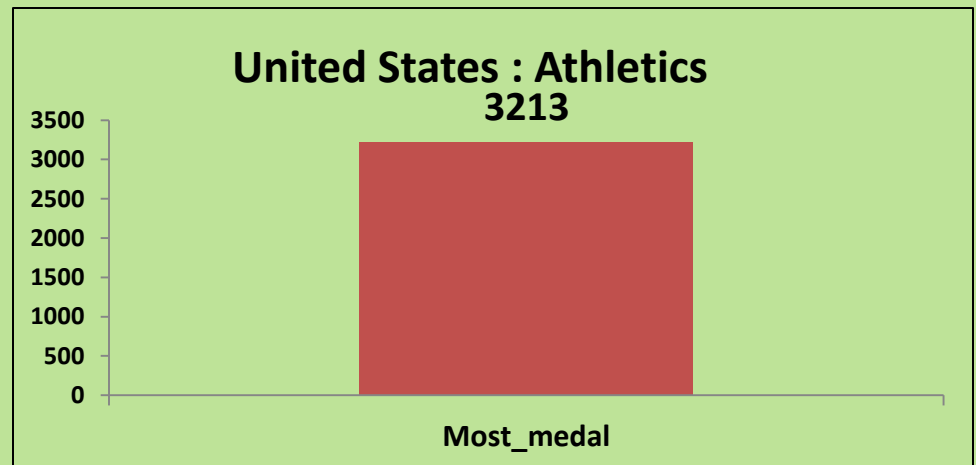
10. Find top three players who won most medals along with their sports and country ?

```sql
select Name,team,sport,count(medal) as Most_medal
from olympics
where medal != 'nomedal'
group by name,team,sport
order by Most_medal desc
limit 3;
```

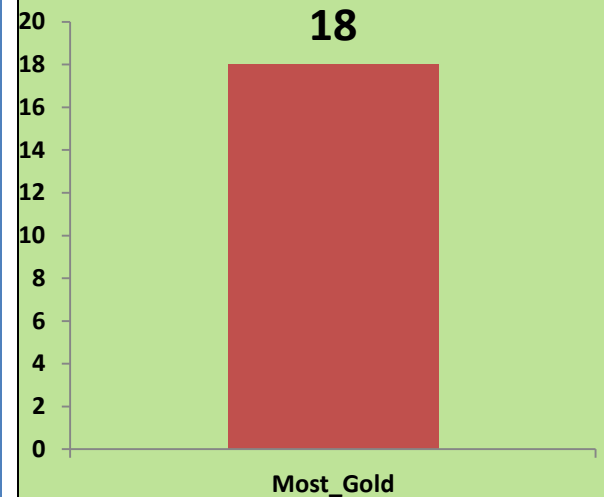| Name	team	sport	Most_medal
Michael Fred Phelps II	United States	Swimming	84
Larysa Semenivna Latynina Diriy	Soviet Union	Gymnastics	54
Nikolay Yefimovich Andrianov	Soviet Union	Gymnastics	45

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

```sql
select Team,name,sport,count(medal) as Most_Gold
from olympics
where sport='cycling' and medal = 'Gold'
group by name,team,sport
order by Most_Gold desc
limit 1;
```

**Great Britain Christopher Andrew Name : Chris Hoy Cycling**

18

Team	name	sport	Most_Gold
Great Britain	Christopher Andrew Chris Hoy	Cycling	18

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

```sql
select name,team,sport,medal,count(medal) as Most_medal
from olympics
where medal in ('Gold','Silver','Bronze') and sport='Basketball'
group by medal,team,name
order by Most_medal desc
limit 1;
```

**name** : Suzanne Brigit Sue Bird
team : United States
sports : Basketball
medal : Gold

name	team	sport	medal	Most_medal
Suzanne Brigit Sue Bird	United States	Basketball	Gold	12
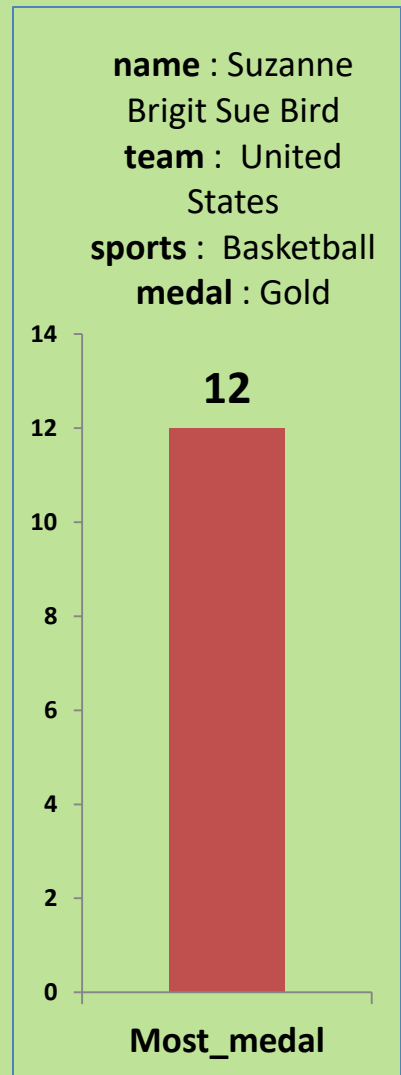
13. Find out the count of different medals of the top basketball player Teresa Edwards

```
select Name,medal,count(medal) as Different_medal
from olympics
where name = 'Teresa Edwards' and
sport = 'basketball' and
medal != 'nomedal'
group by medal
order by Different_medal ;
```

Name	medal	Different_medal
Teresa Edwards	Bronze	3
Teresa Edwards	Gold	12

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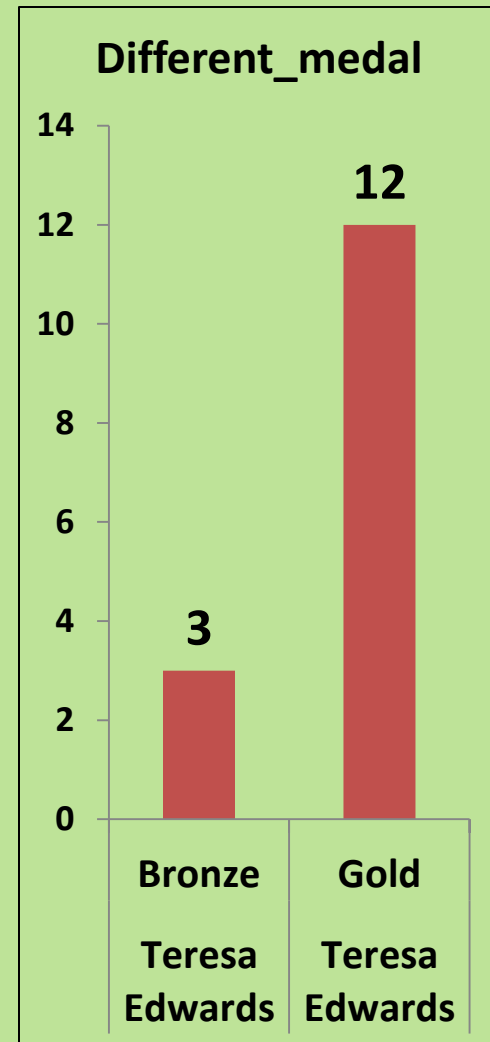
14. Find out medals won by male,female each year , Export this data and plot graph in excel

year	sex	Total_medal
1906	F	18
1904	F	30
1900	F	39
1908	F	48
1912	F	90
1920	F	132
1924	F	156
1932	F	204
1936	F	291
1928	F	309
1994	F	324
1948	F	348
1896	M	429
1952	F	474
1956	F	513
1998	F	567
1960	F	585
2002	F	624
1994	M	669
2010	F	687
2006	F	693
1964	F	738
1998	M	753
1968	F	783
2014	F	795
2002	M	810
2010	M	873
1972	F	885
2006	M	885
2014	M	996
1976	F	1320
1906	M	1356
1904	M	1428
1980	F	1455
1984	F	1644
1900	M	1773
1988	F	1851
1932	M	2013
1992	F	2073
1928	M	2160
1996	F	2292
1908	M	2445
1960	M	2589
1948	M	2613
1956	M	2616
1952	M	2625
2000	F	2640
2004	F	2694
1924	M	2730
1912	M	2733
2012	F	2754
1936	M	2784
2008	F	2796
1964	M	2907
2016	F	2907
1968	M	2985
2012	M	3069
2016	M	3162
1996	M	3234
1976	M	3273
2004	M	3309
2008	M	3348
1980	M	3351
1972	M	3357
2000	M	3372
1984	M	3450
1988	M	3684
1920	M	3792
1992	M	4017

```
select year,sex,count(medal) as Total_medal
from olympics
where medal != 'nomedal'
group by year,sex
order by Total_medal;
```


Total_medal