# 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

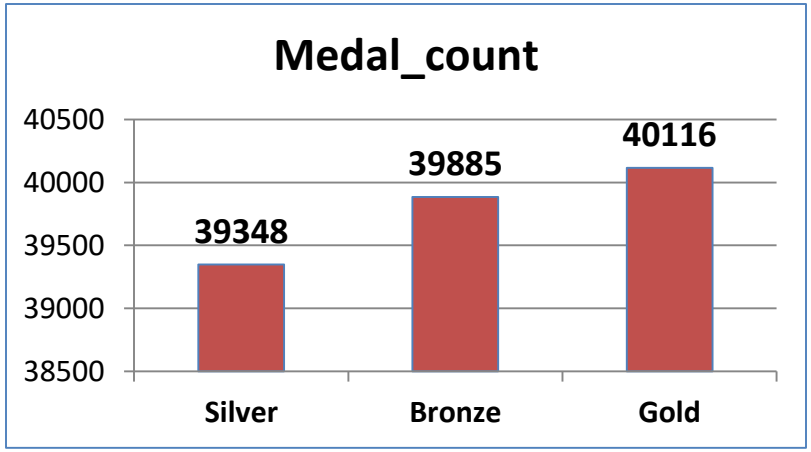
```
SHOW VARIABLES LIKE "secure_file_priv";

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

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

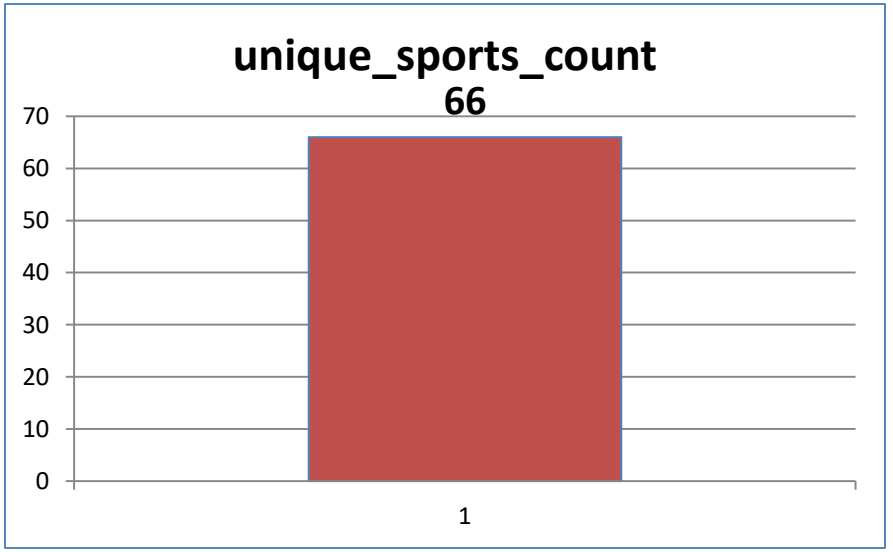
| medal | medal_count |
|---|---|
| Silver | 39348 |
| Bronze | 39885 |
| Gold | 40116 |



2. Show count of unique sports present in Olympics

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

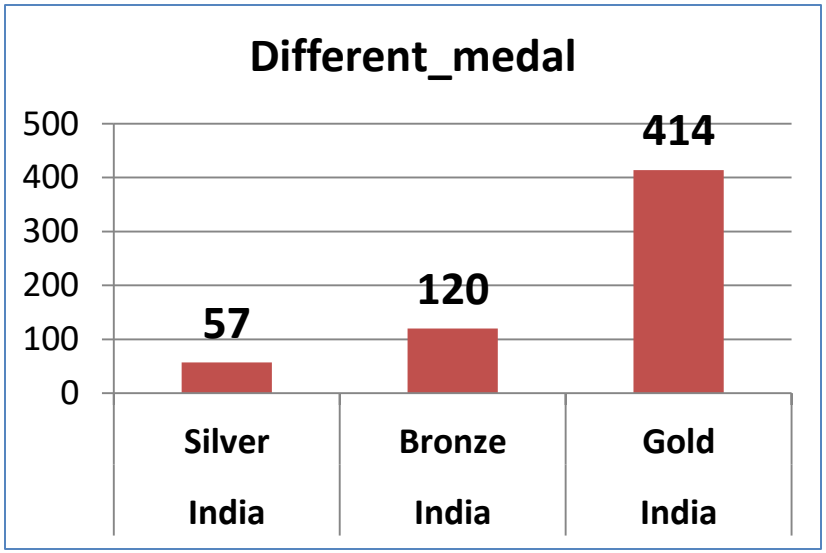
| unique_sports_count |
| --- |
| 66 |



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

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

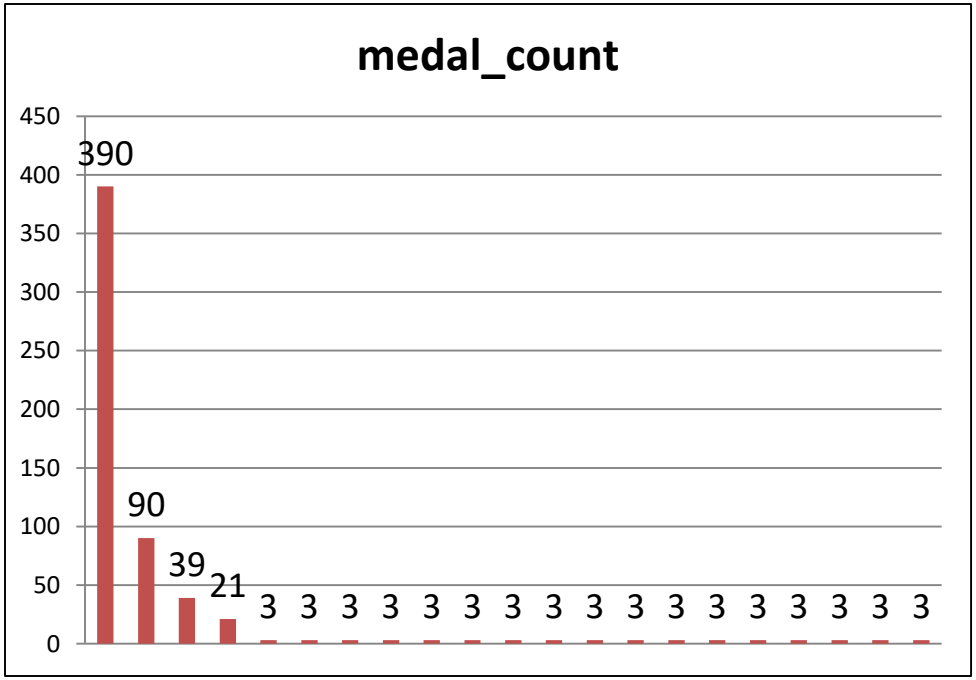
| Team | medal | Different_medal |
|---|---|---|
| India | Silver | 57 |
| India | Bronze | 120 |
| India | Gold | 414 |



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

```
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;
```

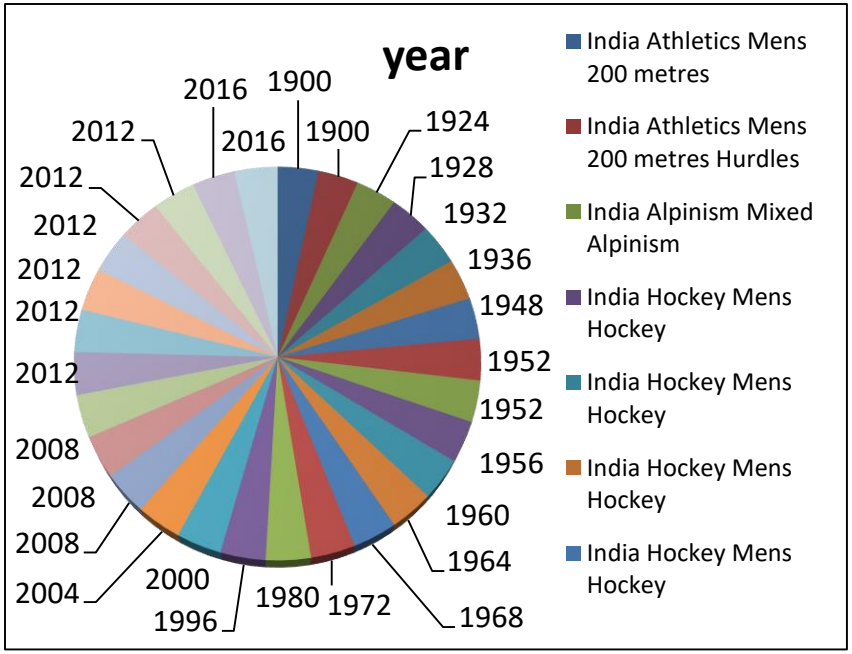
| Team | event | medal | medal_count |
|---|---|---|---|
| India | Hockey Mens Hockey | Gold | 390 |
| India | Hockey Mens Hockey | Bronze | 90 |
| India | Hockey Mens Hockey | Silver | 39 |
| India | Alpinism Mixed Alpinism | Gold | 21 |
| India | Shooting Mens Air Rifle 10 metres | Gold | 3 |
| India | 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 |



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

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

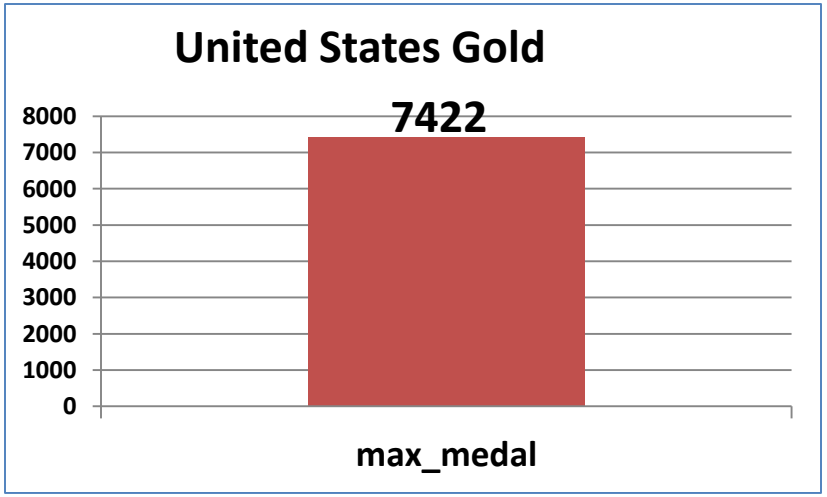
| Team | event | year | medal_count |
|---|---|---|---|
| India | Athletics Mens 200 metres | 1900 | 3 |
| India | Athletics Mens 200 metres Hurdles | 1900 | 3 |
| India | Alpinism Mixed Alpinism | 1924 | 21 |
| India | Hockey Mens Hockey | 1928 | 42 |
| India | Hockey Mens Hockey | 1932 | 45 |
| India | 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 |



6. show country who won maximum medals.

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

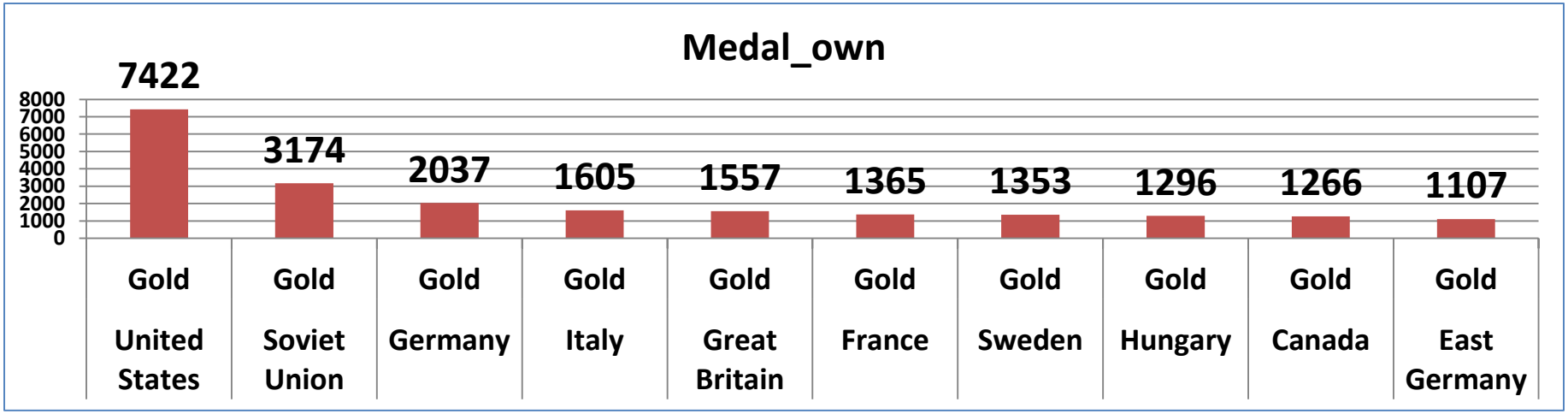
| team | medal | max_medal |
|---|---|---|
| United States | Gold | 7422 |



# 7.show top 10 countries who won gold

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

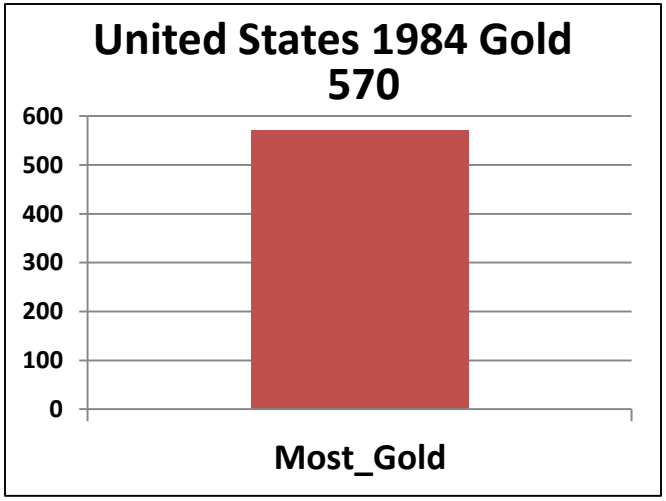
| team | medal | Medal_own |
|---|---|---|
| United States | Gold | 7422 |
| Soviet Union | Gold | 3174 |
| Germany | Gold | 2037 |
| Italy | Gold | 1605 |
| Great Britain | Gold | 1557 |
| France | Gold | 1365 |
| Sweden | Gold | 1353 |
| Hungary | Gold | 1296 |
| Canada | Gold | 1266 |
| East Germany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



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

```
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;
```

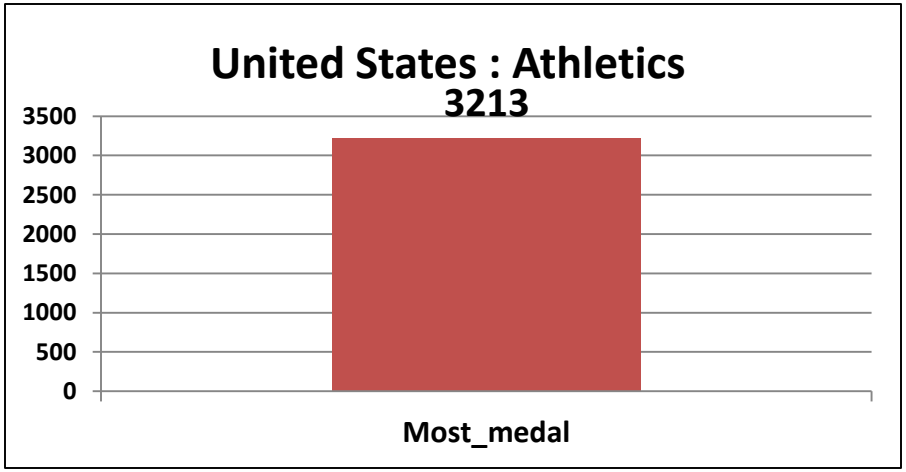
| Team | year | medal | Most_Gold |
|---|---|---|---|
| United States | 1984 | Gold | 570 |



9. In which sports United States has most medals.

```
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;
```

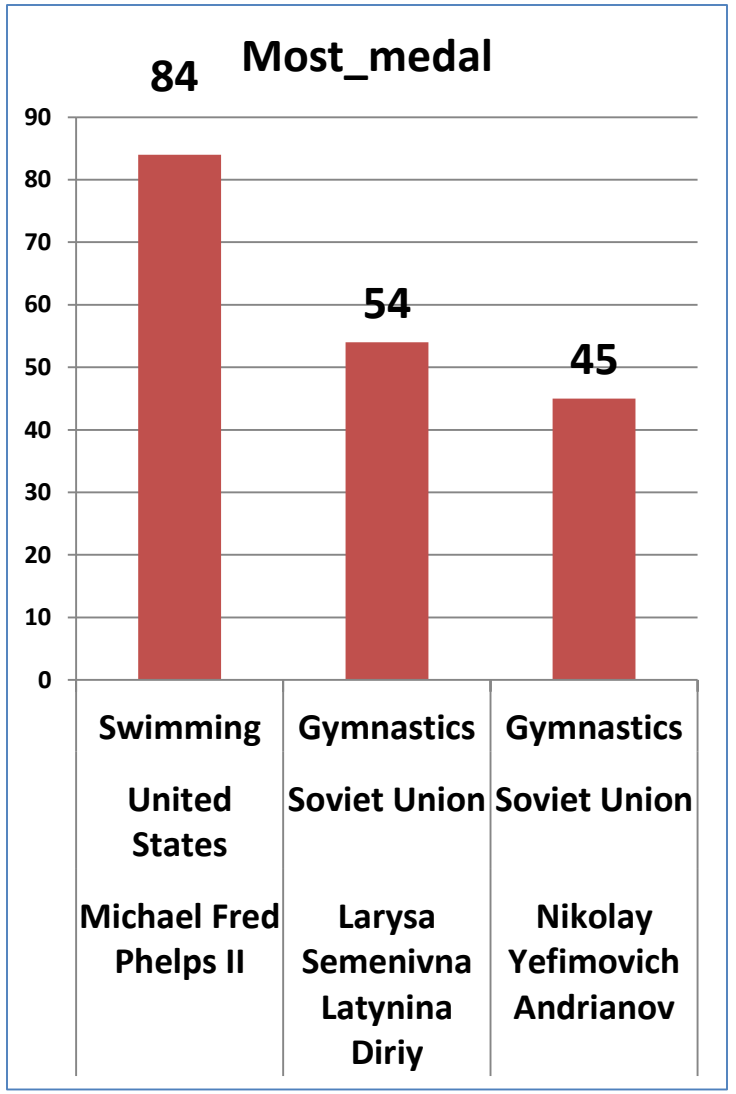
| Team | sport | Most_medal |
|---|---|---|
| United States | Athletics | 3213 |



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

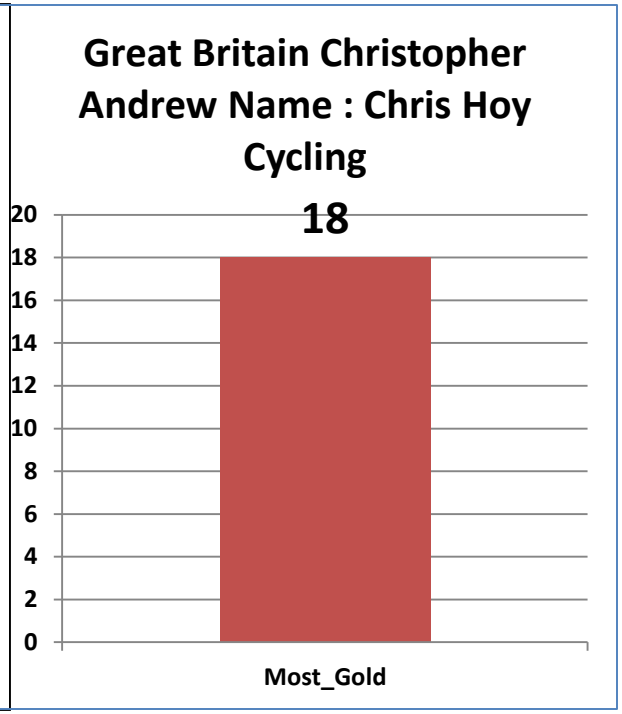
```
select Name,team,sport,count(medal) as Most_medal
from olympics
where medal != 'nomedal'
group by name,team,sport
order by Most_medal desc
limit 3;
```

| 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.

```
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;
```



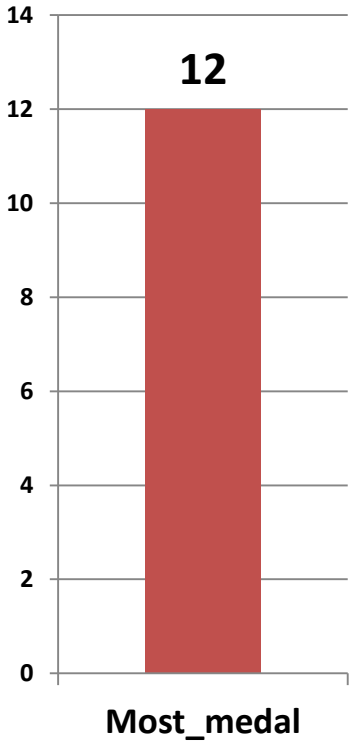

| Team | name | sport | Most_Gold |
|---|---|---|---|
| Great Britain | Christopher Andrew Chris Hoy | Cycling | 18 |

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

```
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 | team | sport | medal | Most_medal |
|---|---|---|---|---|
| Suzanne Brigit Sue Bird | United States | Basketball | Gold | 12 |

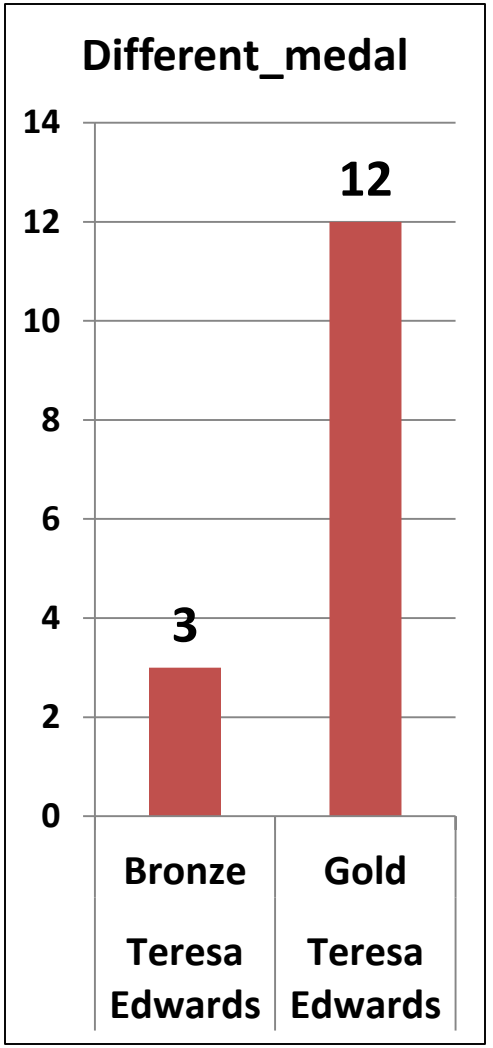
**name** : Suzanne Brigit Sue Bird
**team** : United States
**sports** : Basketball
**medal** : Gold



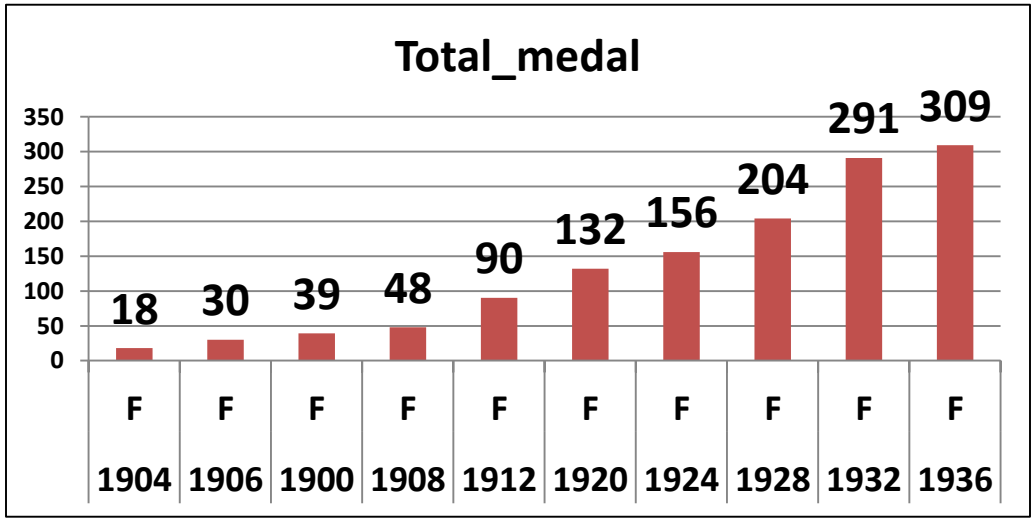
# 13. Find out the count of different medals of the top basketball player Teresa Edwards

```
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 |



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

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

| 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 |