

## **Olympics dataset SQL Query Project (SQL)**

**Olympics Athletes project is done 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

```
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 ''
```

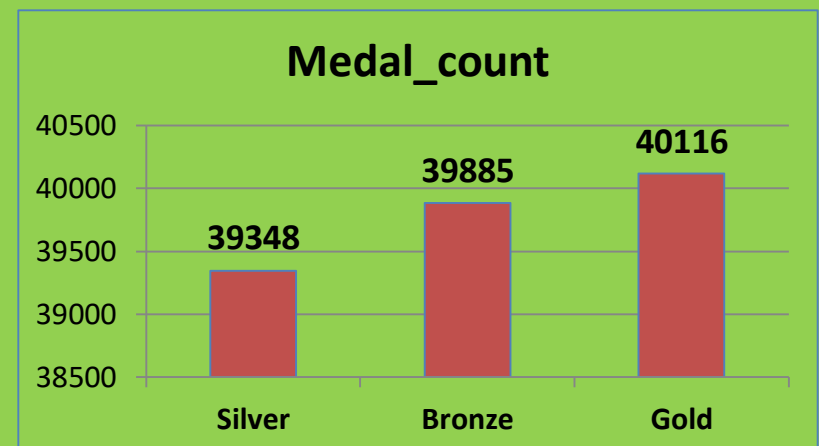
```
lines terminated by '\r\n'
```

```
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;
```

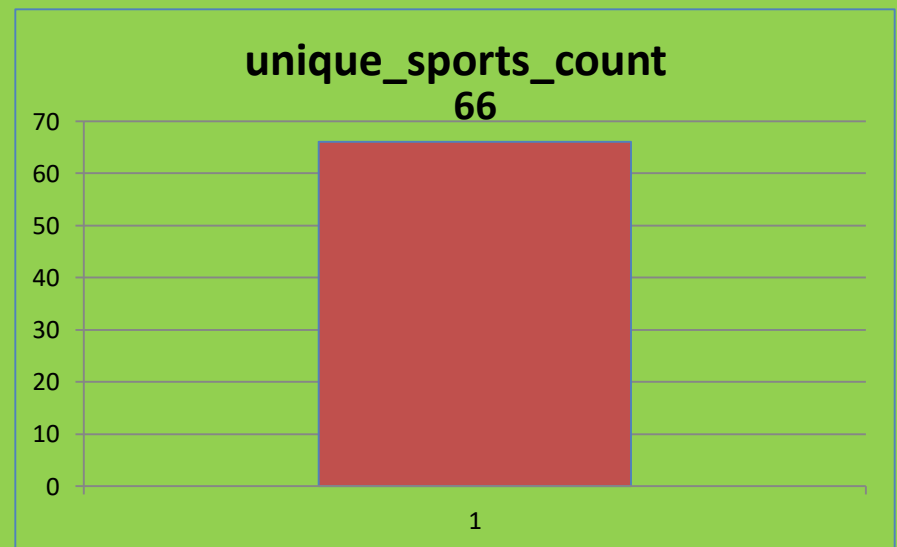
| medal  | medal_count |
|--------|-------------|
| Silver | 39348       |
| Bronze | 39885       |
| Gold   | 40116       |



2. Show count of unique sports present in Olympics

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

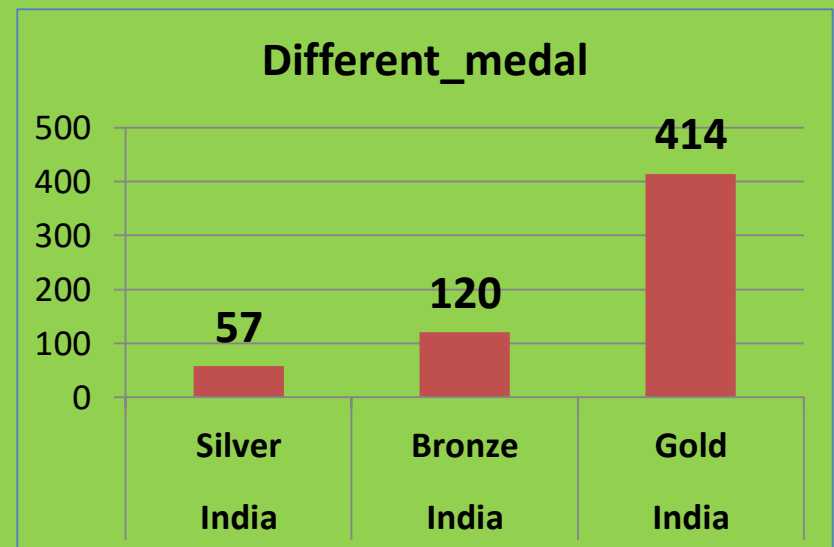
| unique_sports_count |
|---------------------|
| 66                  |



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;
```

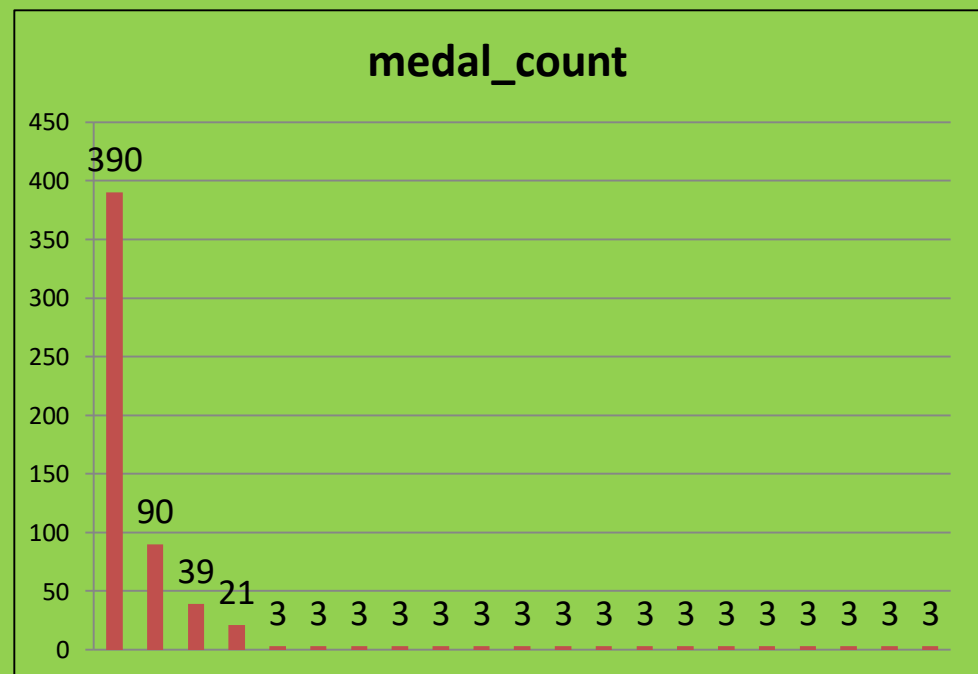
| Team  | medal  | Different_medal |
|-------|--------|-----------------|
| India | Silver | 57              |
| India | Bronze | 120             |
| India | Gold   | 414             |



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;
```

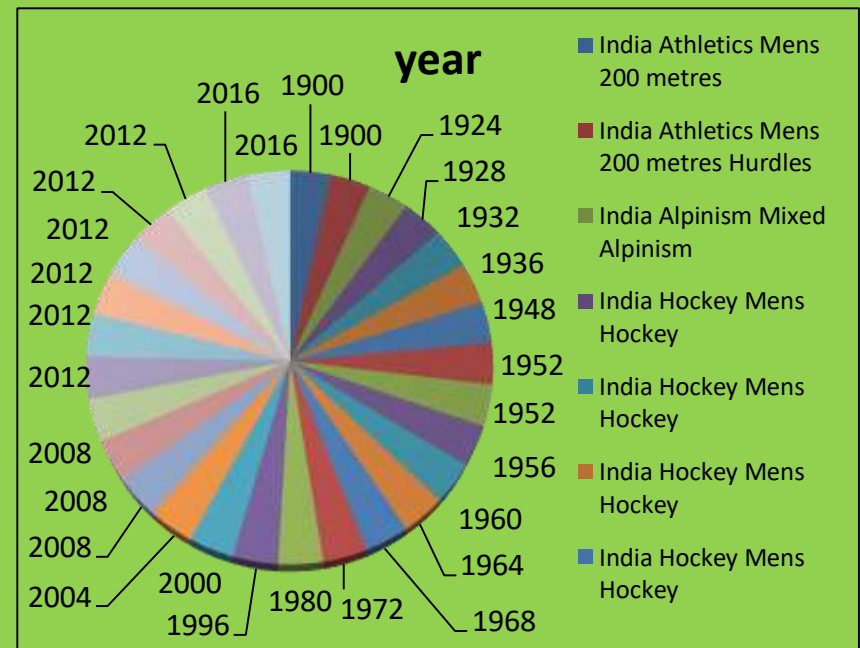
| Team  | event                                 | medal  | medal_count |
|-------|---------------------------------------|--------|-------------|
| India | Hockey Mens Hockey                    | Gold   | 390         |
| India | Hockey Mens Hockey                    | Bronze | 90          |
| India | 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          |

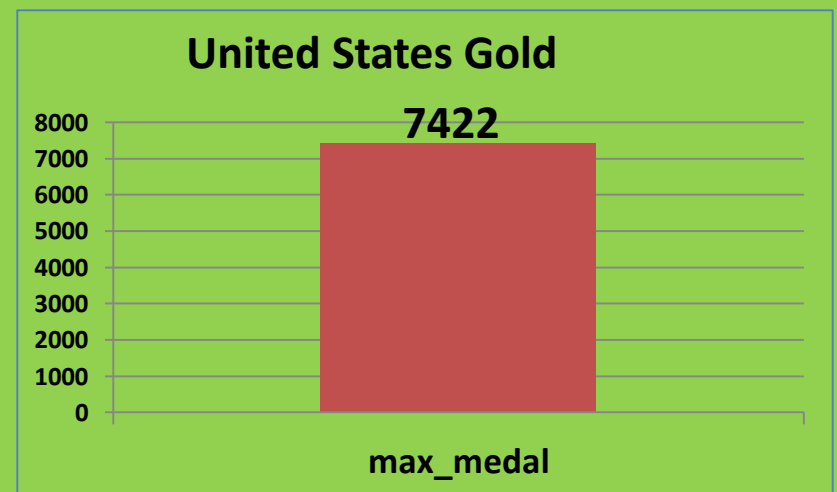




6. show country who won maximum medals.

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

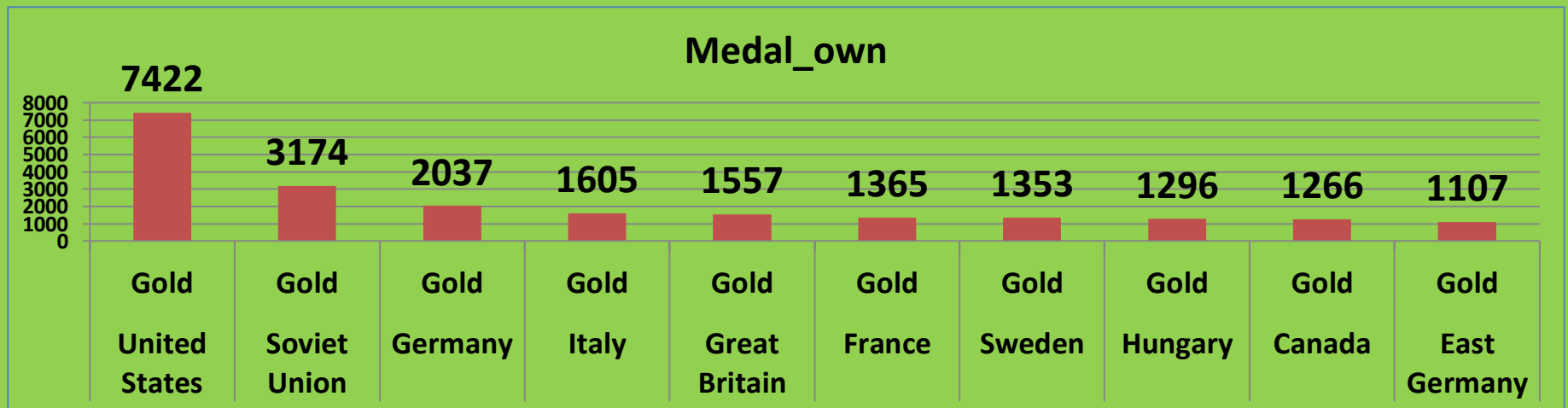
| team          | medal | max_medal |
|---------------|-------|-----------|
| United States | Gold  | 7422      |



## 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;
```

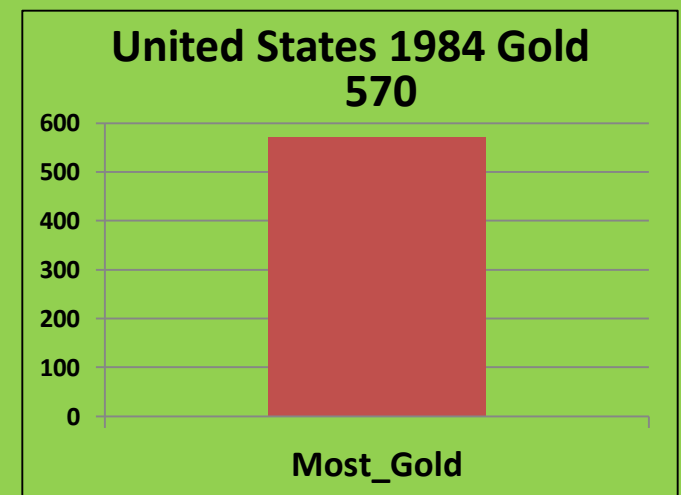
| team          | medal | Medal_own |
|---------------|-------|-----------|
| United States | Gold  | 7422      |
| Soviet Union  | Gold  | 3174      |
| Germany       | Gold  | 2037      |
| Italy         | Gold  | 1605      |
| Great Britain | Gold  | 1557      |
| France        | Gold  | 1365      |
| 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;
```

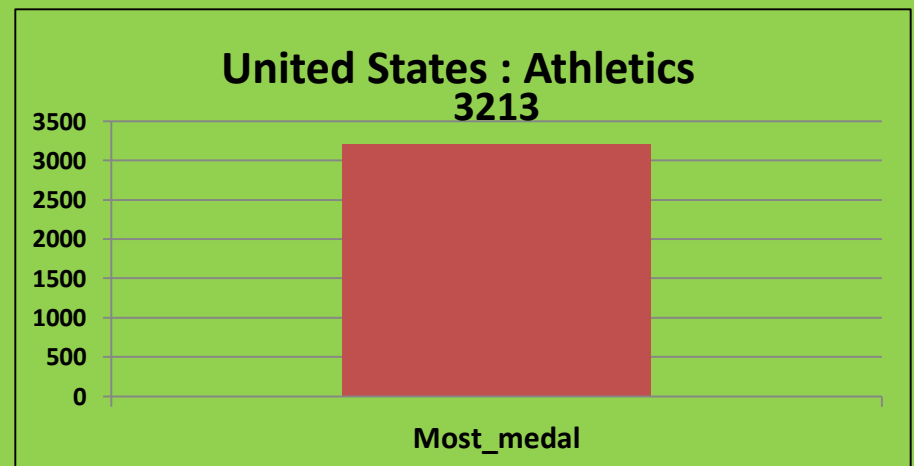
| Team          | year | medal | Most_Gold |
|---------------|------|-------|-----------|
| United States | 1984 | Gold  | 570       |



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;
```

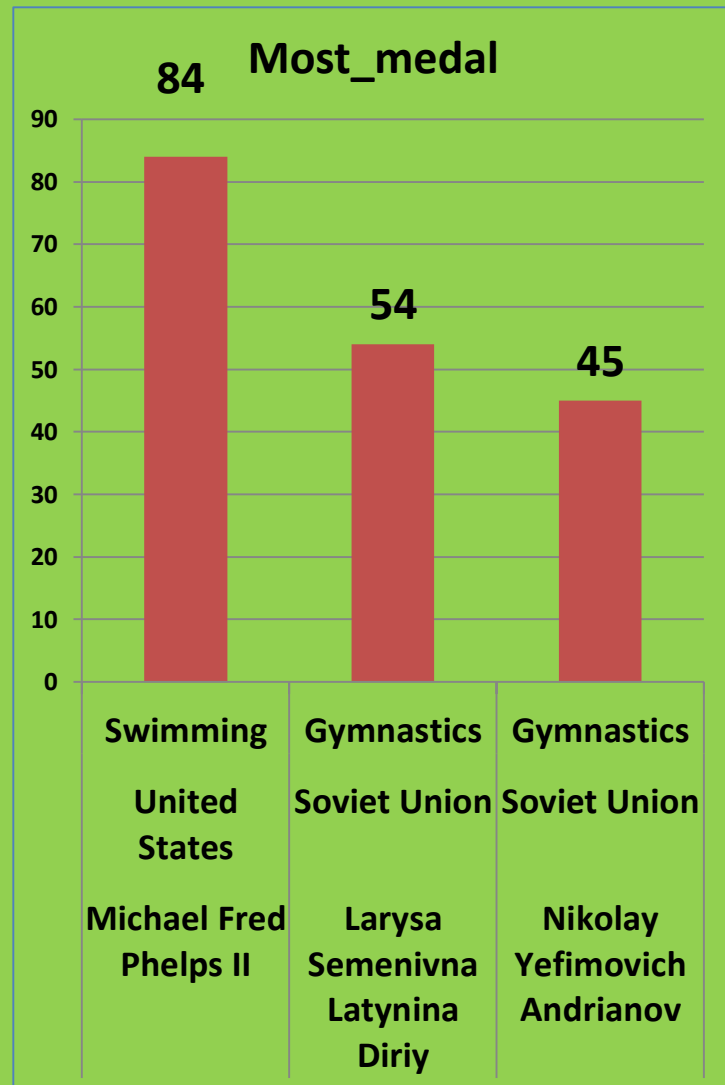
| Team          | sport     | Most_medal |
|---------------|-----------|------------|
| United States | Athletics | 3213       |



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;
```

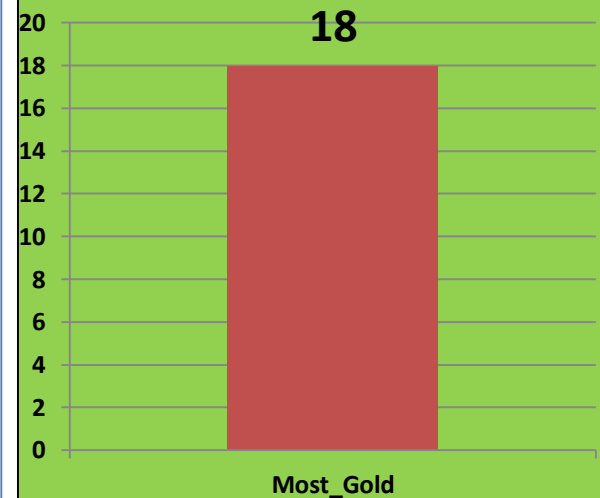
| Name                            | team          | sport      | Most_medal |
|---------------------------------|---------------|------------|------------|
| Michael Fred Phelps II          | United States | Swimming   | 84         |
| Larysa Semenivna Latynina Diriy | Soviet Union  | Gymnastics | 54         |
| 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;
```

Great Britain Christopher  
Andrew Name : Chris Hoy  
Cycling

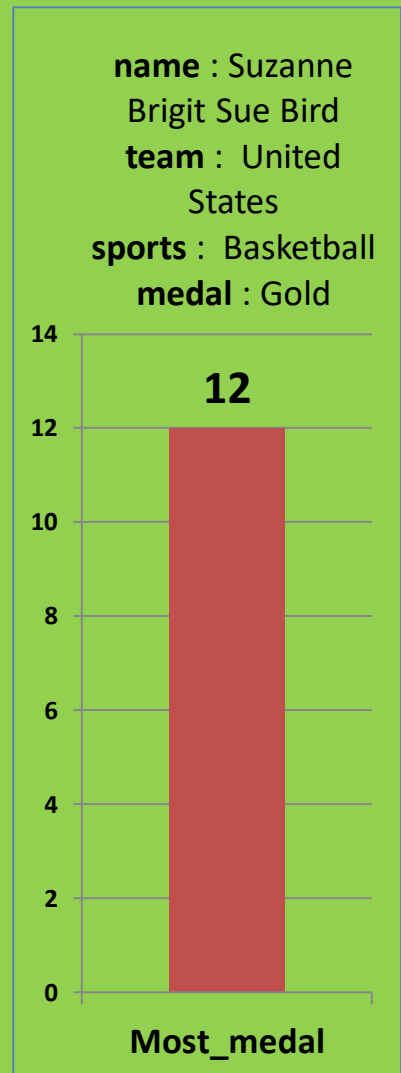


| Team          | name                         | sport   | Most_Gold |
|---------------|------------------------------|---------|-----------|
| Great Britain | Christopher Andrew Chris Hoy | Cycling | 18        |

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;
```

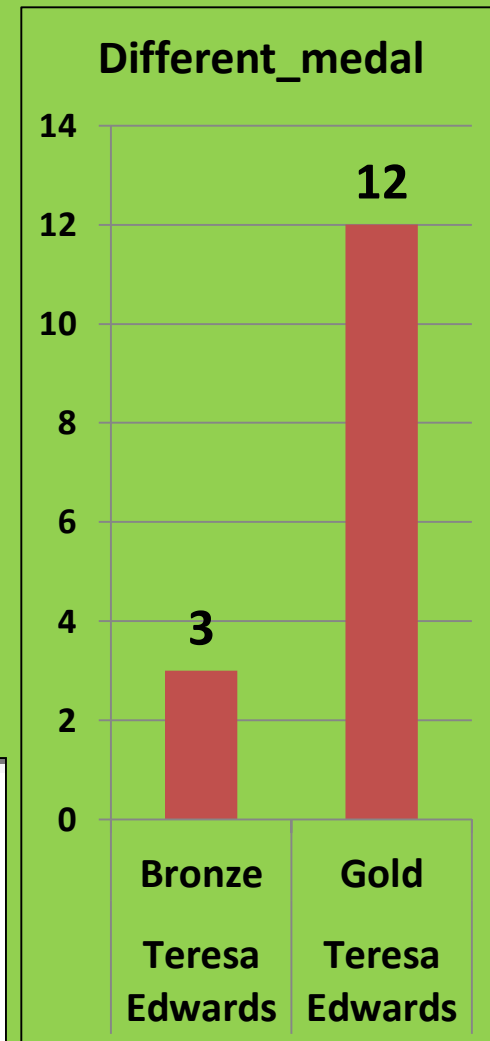
| name                    | team          | sport      | medal | Most_medal |
|-------------------------|---------------|------------|-------|------------|
| Suzanne Brigit Sue Bird | United States | Basketball | Gold  | 12         |



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         |

