## **SQL Project Olympics**

This project involves the analysis of the Olympics dataset using MYSQL.

```
Step1. Create Database
     create database SQLProject;
     use SQLProject;
Step2. Create Table
      create table olympics
(
ID int,
Name varchar(300),
Sex char(10),
Age int,
Height int,
Weight int,
Team varchar(200),
NOC varchar(200),
Games varchar(200),
Year int,
Season varchar(100),
City varchar(100),
Sport varchar(200),
Event varchar(250),
Medal varchar(50)
```

);

Step3. Load Data

load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Athletes\_Cleaned.csv'

into table olympics

fields terminated by ','

enclosed by ""

lines terminated by ' $\r$ '

ignore 1 rows;

## -- SQL PROJECT

-- 1. Show how many medal counts present for entire data

select count(medal) as medalcount, Medal

from olympics

where Medal<> "NoMedal"

group by Medal;

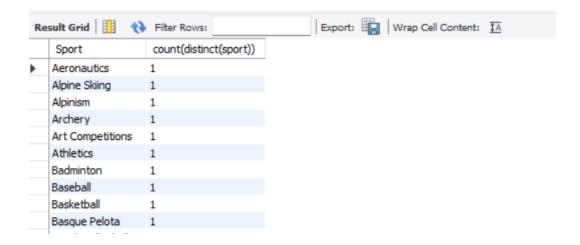
	nedalcou	nt Medal
<b>)</b> 1	3372	Gold
1	3295	Bronze
1	3116	Silver

-- 2. Show count of unique sports present in Olympics

select Sport,count(distinct(sport))

from olympics

group by Sport;



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

select count(medal) as medalcount, Medal,Team

from olympics

where Medal<>"NoMedal" and Team="India"

group by Medal, Team;



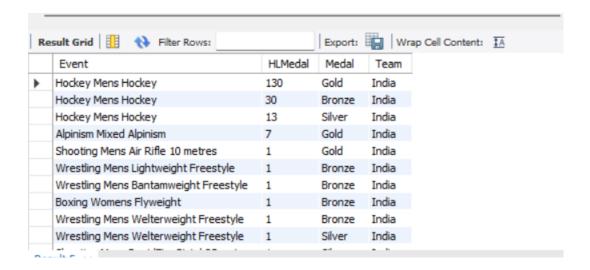
-- 4. Show event wise medals won by India show from highest to lowest medals won in order select Event,count(medal) as HLMedal, Medal,Team

from olympics

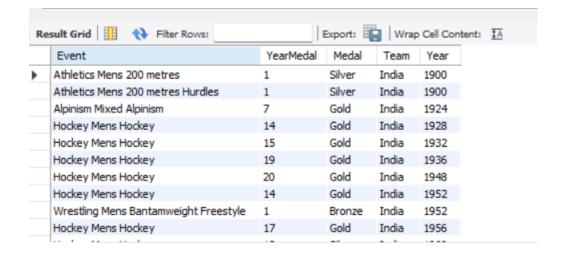
where Medal<>"NoMedal" and Team="India"

group by Event, Medal, Team

order by HLMedal desc;

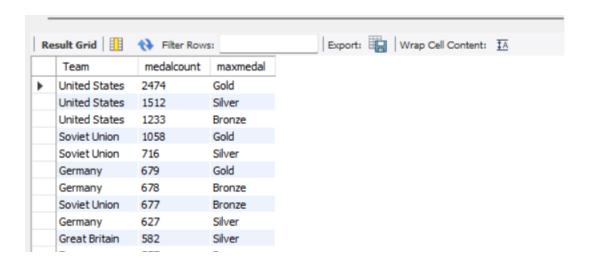


-- 5. Show event wise medals won by India in order of year select Event,count(medal) as YearMedal,Medal,Team,Year from olympics
where medal<>"NoMedal" and team="India"
group by Event,Medal,Team,Year
order by Year asc;



-- 6. show country who won maximum medals.select Team,count(medal) as medalcount,max(medal) as maxmedalfrom olympics

where medal <>"NoMedal" group by Team,Medal order by medalcount desc;



## -- 7.show top 10 countries who won gold

select Team,count(medal) as GoldMedal,Medal

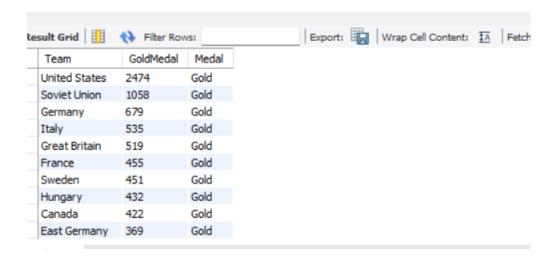
from olympics

where Medal="Gold"

group by Team, Medal

order by GoldMedal desc

limit 10;



-- 8. show in which year did United states won most gold medal select Year,count(medal) as medalcount,Medal,Team from olympics
where Team="United states" and Medal="Gold" group by Year,Medal,Team order by medalcount desc;



-- 9. In which sports United States has most medals.
select Sport,count(medal) as medalcount,Medal,Team
from olympics
where Team="United States" and Medal<>"NoMedal"
group by Sport,Medal,Team
order by medalcount desc;



-- 10. Find top three players who won most medals along with their sports and country select Name,count(medal) as countmedal,Medal,Sport,Team from olympics where Medal<>"NoMedal" group by Name,Medal,Sport,Team order by countmedal desc limit 3;



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

select Name,count(medal) as countmedal,Medal,Sport,Team

from olympics

where Sport="cycling" and Medal="gold"

group by Name,Medal,Sport,Team

order by countmedal desc

limit 1;



-- 12.Find player with most medals (Gold+Silver+Bronze) in Basketball also show his country. select Name,count(medal) as countmedal,Medal,Sport,Team from olympics where Medal<>"NoMedal" and Sport="Basketball" group by name,Medal,Sport,Team

order by countmedal desc;



-- 13. Find out the count of different medals of the top basketball player Teresa Edwards select Name,count(medal) as countmedal,Medal,Sport,Team from olympics where Sport="basketball" and Name="Teresa Edwards" group by Name,Medal,Sport,Team;



-- 14. Find out medals won by male,female each year , Export this data and plot graph in excel select count(medal) as countmedal,Medal,Sex,Year

from olympics

where Medal<>"Nomedal"

group by Medal, Sex, Year

order by Sex, Year asc, Medal;



