-- SQL PROJECT

create database LoaddataDemo;

-- use database
use LoaddataDemo;

create table olympics
(
ID int,
Name varchar(300),
Sex char(2),
Age int,
Height int,
Weight int,
Team varchar(200),
NOC varchar(300),
Games varchar(300),
Year int,
Season varchar(300),
City varchar(300),
Sport varchar(300),
Event varchar(300),
Medal varchar(300)
);

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

```
select Medal, count(*) as Total_MedalCounts
from olympics
group by Medal;
```

	Medal	Total_MedalCounts
▶	NoMedal	231333
	Gold	13372
	Bronze	13295
	Silver	13116

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

- ```sql
  select count(distinct Sport) as unique_Sports
  from olympics;
  ```

	unique_Sports
▶	66

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

- ```sql
  select Team, Medal,count(medal) as Medalswonby_India
  from olympics
  where (Team = "India" and Medal != "NoMedal")
  group by medal;
  ```

	Team	Medal	Medalswonby_India
▶	India	Gold	138
	India	Silver	19
	India	Bronze	40

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

- ```sql
  select Event, Team, Medal,count(medal) as Medalswonby_India
  from olympics
  where (Team = "India" and Medal != "NoMedal")
  group by Event, medal
  order by Medalswonby_India desc;
  ```

Event	Team	Medal	Medalswonby_India
Hockey Me	India	Gold	130
Hockey Me	India	Bronze	30
Hockey Me	India	Silver	13
Alpinism M	India	Gold	7
Shooting N	India	Gold	1
Wrestling I	India	Bronze	1
Wrestling I	India	Bronze	1
Boxing Wc	India	Bronze	1
Wrestling I	India	Bronze	1
Wrestling I	India	Silver	1
Shooting N	India	Silver	1
Wrestling \	India	Bronze	1
Weightlifti	India	Bronze	1
Shooting N	India	Bronze	1
Badmintor	India	Bronze	1
Tennis Me	India	Bronze	1
Athletics N	India	Silver	1
Athletics N	India	Silver	1
Shooting N	India	Silver	1
Badmintor	India	Silver	1
Boxing Me	India	Bronze	1

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

```
select Event, count(Medal) as MedalCount, Team, year
from olympics
where Team = "India" and Medal<>"NoMedal"
group by Event, Year
order by year;
```

Event	MedalCount	Team	year
Athletics Mens 200 metres	1	India	1900
Athletics Mens 200 metres Hurdles	1	India	1900
Alpinism Mixed Alpinism	7	India	1924
Hockey Mens Hockey	14	India	1928
Hockey Mens Hockey	15	India	1932
Hockey Mens Hockey	19	India	1936
Hockey Mens Hockey	20	India	1948
Hockey Mens Hockey	14	India	1952
Wrestling Mens Bantamweight Freestyle	1	India	1952
Hockey Mens Hockey	17	India	1956
Hockey Mens Hockey	13	India	1960
Hockey Mens Hockey	15	India	1964
Hockey Mens Hockey	16	India	1968
Hockey Mens Hockey	14	India	1972
Hockey Mens Hockey	16	India	1980
Tennis Mens Singles	1	India	1996
Weightlifting Womens LightHeavyweight	1	India	2000
Shooting Mens Double Trap	1	India	2004
Shooting Mens Air Rifle 10 metres	1	India	2008
Wrestling Mens Welterweight Freestyle	1	India	2008
Boxing Mens Middleweight	1	India	2008
Wrestling Mens Lightweight Freestyle	1	India	2012
Boxing Womens Flyweight	1	India	2012
Wrestling Mens Welterweight Freestyle	1	India	2012
Boxing Mens Middleweight	1	India	2008
Wrestling Mens Lightweight Freestyle	1	India	2012
Boxing Womens Flyweight	1	India	2012
Wrestling Mens Welterweight Freestyle	1	India	2012
Shooting Mens RapidFire Pistol 25 metres	1	India	2012
Shooting Mens Air Rifle 10 metres	1	India	2012
Badminton Womens Singles	1	India	2012
Wrestling Womens Lightweight Freestyle	1	India	2016
Badminton Womens Singles	1	India	2016

-- 6. show country who won maximum medals.

```
select Team, count(Medal) as MedalCount
from olympics
where Medal<> "NoMedal"
group by Team
order by MedalCount desc
limit 1;
```

Team	MedalCount
United States	5219

-- 7.show top 10 countries who won gold

```
select Team as Top10_GoldMedilist_countris, count(Medal) as GoldMedals
from olympics
where medal = "Gold"
group by Team
order by GoldMedals desc
limit 10;
```

Top10_GoldMedilist_countris	GoldMedals
United States	2474
Soviet Union	1058
Germany	679
Italy	535
Great Britain	519
France	455
Sweden	451
Hungary	432
Canada	422
East Germany	369

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

```
select Team, Year, count(Medal) as "GoldMedal_count"
from olympics
where Team = "United States" and Medal = "Gold"
group by Year, Medal
order by Goldmedal_count desc
limit 1;
```

Team	Year	GoldMedal_count
United States	1984	190

-- 9. In which sports United States has most medals.

```
select sport, Team, count(Medal) as Medalcounts
from olympics
where Team = "United States" and Medal<>"NoMedal"
group by sport
order by MedalCounts desc
limit 1;
```

sport	Team	Medalcounts
Athletics	United States	1071

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

```
select Name, count(Medal) as MedalCount, Sport, Team
from olympics
where medal<>"NoMedal"
group by Name, Sport, Team
order by MedalCount desc
limit 3;
```

Name	MedalCount	Sport	Team
Michael Fred Phelps II	28	Swimming	United States
Larysa Semenivna Latynina Diriy	18	Gymnastics	Soviet Union
Nikolay Yefimovich Andrianov	15	Gymnastics	Soviet Union

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

```
select Name, count(Medal) as MostGoldMedals, Sport, Team
from olympics
where medal="Gold" and Sport= "Cycling"
group by Name, Team
order by MostGoldMedals desc
limit 1;
```

Name	MostGoldMedals	Sport	Team
Christopher Andrew Chris Hoy	6	Cycling	Great Britain

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

```
select Name, count(Medal) as MedalCounts, Sport, Team
from olympics
where Sport="Basketball" and medal<> "NoMedal"
group by Name, Team
order by MedalCounts desc
limit 1;
```

Name	MedalCounts	Sport	Team
Teresa Edwards	5	Basketball	United States

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

-
```sql
select Medal, count(medal) MedalCounts, Name, Sport
from olympics
where Name= "Teresa Edwards" and Medal<>"NoMedal"
group by Name, Sport, Medal
order by medalCounts desc;
```

	Medal	MedalCounts	Name	Sport
▶	Gold	4	Teresa Edwards	Basketball
	Bronze	1	Teresa Edwards	Basketball

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

-
```sql
select Year, Sex, count(medal) as MedalCount
from olympics
where Medal<>"NoMedal"
group by Year, Sex
order by Year;
```

Year	Sex	MedalCount
1896	M	143
1900	F	13
1900	M	591
1904	F	10
1904	M	476
1906	F	6
1906	M	452
1908	F	16
1908	M	815
1912	F	30
1912	M	911
1920	F	44
1920	M	1264
1924	F	52
1924	M	910
1928	F	103
1928	M	720
1932	F	68
1932	M	671
1936	F	97
1936	M	928
1948	F	116
1948	M	871
1952	F	158
1952	M	875
1956	F	171
1956	M	872
1960	F	195
1960	M	863
1964	F	246
1964	M	969
1968	F	261
1968	M	995
1972	F	295
1972	M	1119
1976	F	440
1976	M	1091
1980	F	485
1980	M	1117
1984	F	548
1984	M	1150
1988	F	617
1988	M	1228
1992	F	691
1992	M	1339
1994	F	108
1994	M	223
1996	F	764
1996	M	1078
1998	F	189
1998	M	251
2000	F	880
2000	M	1124
2002	F	208
2002	M	270
2004	F	898
2004	M	1103
2006	F	231
2006	M	295
2008	F	932
2008	M	1116
2010	F	229
2010	M	291
2012	F	918
2012	M	1023
2014	F	265
2014	M	332
2016	F	969
2016	M	1054