How many olympics games have been held?

select count(distinct(games)) as total_olympics_played

from olympics_history;
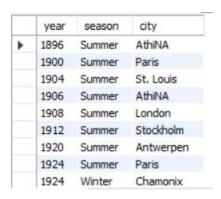
	total_olympics_played
▶	51

List down all Olympics games held so far?

select distinct(year), season,city

from olympics_history

order by year;

	year	season	city
▶	1896	Summer	AthiNA
	1900	Summer	Paris
	1904	Summer	St. Louis
	1906	Summer	AthiNA
	1908	Summer	London
	1912	Summer	Stockholm
	1920	Summer	Antwerpen
	1924	Summer	Paris
	1924	Winter	Chamonix

Mention the total no of nations who participated in each olympics game?

select games, count(distinct region) as total_country

from olympics_history oh

join olympics_history_noc_regions ohn on ohn.noc = oh.noc

group by games order by games;

	games	total_country
▶	1896 Summer	5
	1900 Summer	15
	1904 Summer	5
	1906 Summer	16
	1908 Summer	15
	1912 Summer	21
	1920 Summer	24
	1924 Summer	38
	1924 Winter	12

Which nation has participated in all of the olympic games?

WITH OlympicCounts AS (

SELECT region, COUNT(DISTINCT games) AS total_olympics_played,

    RANK() OVER (ORDER BY COUNT(DISTINCT games) DESC) AS r

  FROM olympics_history oh

  JOIN olympics_history_noc_regions onc ON onc.noc = oh.noc

  GROUP BY region

)

SELECT region, total_olympics_played

FROM OlympicCounts

WHERE r = 1;

region	total_olympics_played
France	51

Identify the sport which was played in all summer Olympics?

SELECT sport, COUNT(distinct games) AS no_of_games

FROM (

  SELECT DISTINCT games, sport

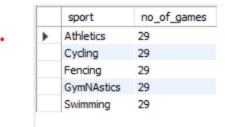 FROM olympics_history

  WHERE season = 'Summer'

) AS t2

GROUP BY sport

HAVING COUNT(distinct games) = (

  SELECT COUNT(DISTINCT games)

  FROM olympics_history

  WHERE season = 'Summer'

)

sport	no_of_games
Athletics	29
Cycling	29
Fencing	29
GymNAstics	29
Swimming	29

Which Sports were just played only in one olympics season?

with cte as (select sport, count(distinct games) as no_of_season_played

from olympics_history

group by sport

order by sport,no_of_season_played

)

select * from cte where no_of_season_played =1;

sport	no_of_season_played
Alpinism	1
Cricket	1
Croquet	1
Jeu De Paume	1
Military Ski Patrol	1
Motorboating	1
Racquets	1
Roque	1
Rugby Sevens	1

Fetch the total no of sports played in each olympic games?

select games,count(distinct sport) as total_games_played

from olympics_history

group by games

order by games;

games	total_games_played
1896 Summer	7
1900 Summer	19
1904 Summer	17
1906 Summer	13
1908 Summer	24
1912 Summer	17
1920 Summer	25
1924 Summer	20
1924 Winter	10

Fetch the top 5 athletes who have won the most gold medals?

with cte as (select name,team,

count(medal),dense_rank() over(order by count(medal) desc) as rnk

from olympics_history

where medal = 'Gold'

group by name,team)

select * from cte where rnk<6;

	name	team	count(medal)	rnk
▶	Matthew Nicholas "Matt"" Biondi"	United States	8	1
	Ole EiNAr Bjrndalen	Norway	8	1
	Usain St. Leo Bolt	Jamaica	8	1
	Nikolay Yefimovich Andrianov	Soviet Union	7	2
	Vra slavsk (-Odloilov)	Czechoslovakia	7	2
	Viktor Ivanovych Chukarin	Soviet Union	7	2
	Marit Bjrgen	Norway	6	3
	NAthan Ghar-Jun Adrian	United States	5	4
	Thomas Alsgaard (Alsard-)	Norway	5	4

List down total gold, silver and bronze medals won by each country?

select region,

count(case when medal = 'Gold' then 1 end) as gold,

count(case when medal = 'Silver' then 1 end) as silver,

count(case when medal = 'Bronze' then 1 end) as bronze

from olympics_history oh

JOIN olympics_history_noc_regions onc ON onc.noc = oh.noc

group by region

order by gold desc,silver desc,bronze desc;

	region	gold	silver	bronze
▶	Russia	246	167	198
	Italy	151	126	134
	Germany	148	155	140
	UK	137	140	121
	France	116	137	155
	Norway	82	61	50
	Canada	73	74	90
	Sweden	64	100	98
	Australia	61	80	94

Break down all olympic games where India won medal for Hockey and how many medals in each olympic games?

select team,games,count(medal) as hockey_medal

from olympics_history

where sport = 'Hockey' and team = 'India' and medal<>'NA'

group by team,games

order by games;

team	games	hockey_medal
India	1928 Summer	3
India	1932 Summer	6
India	1936 Summer	2
India	1948 Summer	1
India	1952 Summer	1
India	1956 Summer	1
India	1960 Summer	2
India	1964 Summer	1
India	1968 Summer	1