

PROBLEM STATEMENT FOR OLYMPICS DATASET.

1. How many olympics games have been held?

Data Output Explain Mes

	history bigint
1	51

2. List down all Olympics games held so far.

	history character varying	year integer	season character varying	city character varying
1	1896 Summer	1896	Summer	Athina
2	1900 Summer	1900	Summer	Paris
3	1904 Summer	1904	Summer	St. Louis
4	1906 Summer	1906	Summer	Athina
5	1908 Summer	1908	Summer	London
6	1912 Summer	1912	Summer	Stockholm
7	1920 Summer	1920	Summer	Antwerpen
8	1924 Summer	1924	Summer	Paris
9	1924 Winter	1924	Winter	Chamonix

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

	games character varying	total_countries bigint
1	2016 Summer	204
2	2012 Summer	203
3	2008 Summer	202
4	2004 Summer	199
5	2000 Summer	198
6	1996 Summer	195
7	1992 Summer	167
8	1988 Summer	155
9	1984 Summer	129

4. Which year saw the highest and lowest no of countries participating in olympics?

	games character varying	count bigint
1	1896 Summer	12
2	1904 Summer	15
3	1932 Winter	17
4	1924 Winter	19
5	1906 Summer	21
6	1908 Summer	22
7	1928 Winter	25
8	1948 Winter	28
9	1926 Winter	29

5. Which nation has participated in all of the olympic games?

	noc character varying	no_games bigint	no_games bigint
1	FRA	51	51
2	GBR	51	51
3	ITA	51	51
4	SUI	51	51

6. Identify the sport which was played in all summer olympics.

Query Editor Query History

```

1  --total number of summer games
2  select
3  count(distinct games) as total_games
4  from olympics_history where season = 'Summer'
5
6  --find the total no of games in which each sport participated
7  SELECT
8  COUNT (DISTINCT games) as history,
9  sport
10 FROM olympics_history
11 WHERE season = 'Summer'
12 GROUP BY sport

```

Data Output Explain Messages Notifications

	history bigint	sport character varying
1	29	Fencing
2	29	Gymnastics
3	29	Cycling
4	29	Athletics
5	29	Swimming

7. Which Sports were just played only once in the olympics?

	Data Output	Explain	Messages	Notifications
	sport character varying	no_of_games bigint	games character varying	
2	Basque pelota		1900 Summer	
3	Cricket	1	1900 Summer	
4	Croquet	1	1900 Summer	
5	Jeu De Paume	1	1908 Summer	
6	Military Ski Patrol	1	1924 Winter	
7	Motorboating	1	1908 Summer	
8	Racquets	1	1908 Summer	
9	Roque	1	1904 Summer	
10	Rugby Sevens	1	2016 Summer	

8. Fetch the total no of sports played in each olympic games.

	Data Output	Explain	Messages	Notifications
	games character varying	no_sports bigint		
1	2008 Summer	34		
2	2000 Summer	34		
3	2004 Summer	34		
4	2016 Summer	34		
5	2012 Summer	32		
6	1996 Summer	31		
7	1992 Summer	29		
8	1988 Summer	27		

9. Fetch details of the oldest athletes to win a gold medal.

	name character varying	sex character varying	age integer	team character varying	games character varying	city character varying	sport character varying
	Oscar Gomer Swahn	M	64	Sweden	1912 Summer	Stockholm	Shooting
!	Charles Jacobus	M	64	United States	1904 Summer	St. Louis	Roque

10. Find the Ratio of male and female athletes participated in all olympic games.

	Data Output	Explain
	ratio text	
1	1 : 2.64	

11. Fetch the top 5 athletes who have won the most gold medals.

	Data Output	Explain	Messages	Notifications
	name character varying	sport character varying	medal bigint	rnk bigint
1	Michael Fred Phelps, II	Swimming	23	1
2	Raymond Clarence Ray Ewry	Athletics	10	2
3	Larysa Semenivna Latynina (Diriy-)	Gymnastics	9	3
4	Frederick Carlton Carl Lewis	Athletics	9	3
5	Mark Andrew Spitz	Swimming	9	3
6	Paavo Johannes Nurmi	Athletics	9	3
7	Ole Einar Bjrndalen	Biathlon	8	7
8	Usain St. Leo Bolt	Athletics	8	7

12. Fetch the top 5 athletes who have won the most medals (gold/silver/bronze).

	Data Output	Explain	Messages	Notifications
	name character varying	sport character varying	medal_no bigint	rnk bigint
1	Michael Fred Phelps, II	Swimming	28	1
2	Larysa Semenivna Latynina (Diriy-)	Gymnastics	18	2
3	Nikolay Yefimovich Andrianov	Gymnastics	15	3
4	Borys Anfiyanovych Shakhlin	Gymnastics	13	4
5	Takashi Ono	Gymnastics	13	4
6	Ole Einar Bjrndalen	Biathlon	13	4
7	Edoardo Mangiarotti	Fencing	13	4
8	Natalie Anne Coughlin (-Hall)	Swimming	12	8

13. Fetch the top 5 most successful countries in olympics. Success is defined by no of medals won.

	noc character varying	medal_no bigint	rnk bigint
1	USA	5637	1
2	URS	2503	2
3	GER	2165	3
4	GBR	2068	4
5	FRA	1777	5
6	ITA	1637	6
7	SWE	1536	7
8	CAN	1352	8

14. List down total gold, silver and broze medals won by each country

	Data Output	Explain	Messages	Notifications
	noc character varying	Gold bigint	Silver bigint	Bronze bigint
8	ANZ	20	4	5
9	ARG	91	92	91
10	ARM	2	5	9
11	ARU	0	0	0
12	ASA	0	0	0
13	AUS	348	455	517
14	AUT	108	186	156
15	AZE	7	12	25

15. List down total gold, silver and broze medals won by each country corresponding to each olympic games.

Data Output		Explain	messages	Notifications		
	noc character varying	games character varying	Gold bigint	Silver bigint	Bronze bigint	
8	SWE	1896 Summer	0	0	0	
9	ITA	1896 Summer	0	0	0	
10	GER	1896 Summer	25	5	2	
11	GRE	1896 Summer	10	18	20	
12	AUT	1896 Summer	2	1	2	
13	HAI	1900 Summer	1	0	0	
14	CAN	1900 Summer	1	0	1	
15	GER	1900 Summer	14	20	11	

16. Identify which country won the most gold, most silver and most bronze medals in each olympic games.

Data Output		Explain	Messages	Notifications	
	games character varying	noc character varying	Gold bigint	Silver bigint	Bronze bigint
1	1980 Summer	URS	187	129	126
2	1984 Summer	USA	186	116	50
3	1996 Summer	USA	159	48	52
4	1908 Summer	GBR	147	131	90
5	2012 Summer	USA	145	57	46
6	2016 Summer	USA	139	54	71
7	1988 Summer	URS	134	67	99
8	2000 Summer	USA	130	61	51

17. Identify which country won the most gold, most silver, most bronze medals and the most medals in each olympic games.

Data Output Explain Messages Notifications

	games character varying	noc character varying	Gold bigint	Silver bigint	Bronze bigint	total numeric
1	1980 Summer	URS	187	129	126	442
2	1904 Summer	USA	128	141	125	394
3	1908 Summer	GBR	147	131	90	368
4	1984 Summer	USA	186	116	50	352
5	2008 Summer	USA	127	110	80	317
6	1988 Summer	URS	134	67	99	300
7	1976 Summer	URS	114	95	77	286
8	1980 Summer	GDR	115	88	61	264
9	2016 Summer	USA	139	54	71	264
10	2004 Summer	USA	117	75	71	263

18. Which countries have never won gold medal but have won silver/bronze medals?

	noc character varying	Gold bigint	Silver bigint	Bronze bigint
30	TAN	0	2	0
31	SRI	0	2	0
32	CYP	0	1	0
33	ISV	0	1	0
34	PAR	0	17	0
35	GAB	0	1	0
36	TGA	0	1	0
37	AHO	0	1	0
38	SUD	0	1	0
39	SEN	0	1	0

19. In which Sport/event, India has won highest medals.

Data Output Explain Messa

	sport character varying	total numeric
1	Hockey	173

20. Break down all olympic games where india won medal for Hockey and how many medals in each olympic games.

[Data Output](#) [Explain](#) [Messages](#) [Notifications](#)

	games character varying	sport character varying	total numeric
1	1948 Summer	Hockey	20
2	1936 Summer	Hockey	19
3	1956 Summer	Hockey	17
4	1980 Summer	Hockey	16
5	1968 Summer	Hockey	16
6	1932 Summer	Hockey	15
7	1964 Summer	Hockey	15
8	1928 Summer	Hockey	14
9	1972 Summer	Hockey	14
10	1952 Summer	Hockey	14