

SQL PROJECT

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Q1. Show how many medal counts present for entire data.

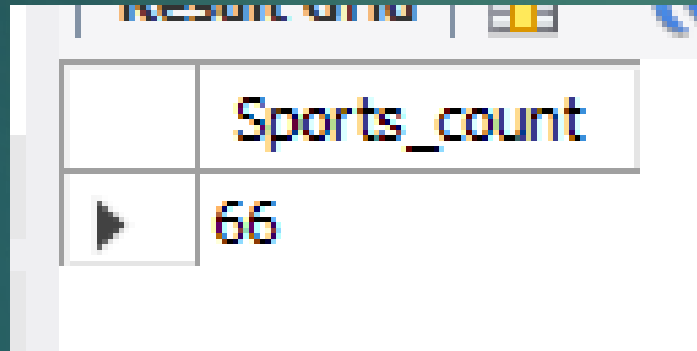
Ans.

```
select Medal, count(Medal) as medalcount  
from athletes  
group by Medal;
```

	Medal	medalcount
▶	NoMedal	231333
	Gold	13372
	Bronze	13295
	Silver	13116

Q2. Show count of unique Sports are present in olympics.

```
select count(distinct Sport) as Sports_count  
from athletes;
```



The screenshot shows a window titled "Result Grid" with a table containing one row. The column header is "Sports_count" and the value in the row is "66".

	Sports_count
▶	66

Q3. Show how many different medals won by Team India in data.

```
select medal,team,count(medal)
from athletes
where Team='India' and Medal<>'NoMedal'
group by medal,team;
```

	medal	team	count(medal)
▶	Gold	India	138
	Silver	India	19
	Bronze	India	40

Q4. Show event wise medals won by india show from highest to lowest medals won in order.

```
select Event,count(medal) as medalcount
from athletes
where Team='India' and Medal<>'NoMedal'
group by event
order by Medalcount desc;
```

	Event	medalcount
▶	Hockey Mens Hockey	173
	Alpinism Mixed Alpinism	7
	Shooting Mens Air Rifle 10 metres	2
	Wrestling Mens Welterweight Freestyle	2
	Badminton Womens Singles	2
	Wrestling Mens Lightweight Freestyle	1
	Wrestling Mens Bantamweight Freestyle	1
	Boxing Womens Flvweight	1

Result 4 ✕

Q5. Show event and yearwise medals won by india in order of year.

```
select event,year,count(medal) as medalcount
from athletes
where team='india' and Medal<>'NoMedal'
group by Event,year
order by Year desc;
```

	event	year	medalcount
►	Wrestling Womens Lightweight Freestyle	2016	1
	Badminton Womens Singles	2016	1
	Wrestling Mens Lightweight Freestyle	2012	1
	Boxing Womens Flyweight	2012	1
	Wrestling Mens Welterweight Freestyle	2012	1
	Shooting Mens RapidFire Pistol 25 metres	2012	1
	Shooting Mens Air Rifle 10 metres	2012	1
	Badminton Womens Singles	2012	1

Result 5 ✕

	event	year	medalcount
	Wrestling Mens Welterweight Freestyle	2008	1
	Boxing Mens Middleweight	2008	1
	Shooting Mens Double Trap	2004	1
	Weightlifting Womens LightHeavyweight	2000	1
	Tennis Mens Singles	1996	1
	Hockey Mens Hockey	1980	16
	Hockey Mens Hockey	1972	14
	Hockey Mens Hockey	1968	16

Result 5 ✕

Q6. Show the country with maximum medals won gold, silver, bronze

```
select team, count(medal) as medalcount
from athletes
where Medal <> 'nomedal'
group by team
order by medalcount desc
limit 1;
```

	team	medalcount
▶	United States	5219

Q7. Show the top 10 countries with respect to gold medals

```
select team, count(medal) as medalcount
from athletes
where medal='Gold'
group by team
order by medalcount desc
limit 10;
```

	team	medalcount
►	United States	2474
	Soviet Union	1058
	Germany	679
	Italy	535
	Great Britain	519
	France	455
	Sweden	451
	Hungary	432

Q8. Show in which year did United States won most medals

```
select team,year, count(medal) as countmedal
from athletes
where team='united states' and medal<>'nomedal'
group by team,year
order by countmedal desc
limit 1;
```

	team	year	countmedal
►	United States	1984	359

Q9. In which sports United States has most medals

```
select team,sport,count(medal) as countmedal
from athletes
where team='united states' and medal<>'nomedal'
group by team,sport
order by countmedal desc
limit 1;
```

	team	sport	countmedal
►	United States	Athletics	1071

Q10. Find top 3 players who have won most medals along with their sports and country.

```
select name,sport,team ,count(medal) as countmedal
from athletes
where medal<>'Nomedal'
group by name,sport,team
order by countmedal desc
limit 3;
```

	name	sport	team	countmedal
►	Michael Fred Phelps II	Swimming	United States	28
	Larysa Semenivna Latynina Diriy	Gymnastics	Soviet Union	18
	Nikolay Yefimovich Andrianov	Gymnastics	Soviet Union	15

Q11. Find player with most gold medals in cycling along with his country.

```
select Name,sport,team,count(medal) as countmedal
from athletes
where sport='Cycling' and medal='gold'
group by name,sport,team
order by countmedal desc
limit 1;
```

	Name	sport	team	medal	countmedal
►	Christopher Andrew Chris Hoy	Cycling	Great Britain	Gold	6

Q12. Find player with most medals (Gold + Silver + Bronze) in Basketball also show his country.

```
select Name,team,sport, count(medal) as medalcount
from athletes
where sport='Basketball' and medal<>'nomedal'
group by name,team,Sport
order by medalcount desc
limit 1;
```

	Name	team	sport	medalcount
►	Teresa Edwards	United States	Basketball	5

Q13. Find out the count of different medals of the top basketball player.

```
select medal, count(medal) as medalcount
from athletes
where name='Teresa Edwards' and medal<>'Nomedal'
group by medal;
```

	medal	medalcount
▶	Gold	4
	Bronze	1

Q14. Find out medals won by male, female each year.

```
select year,sex,count(medal) as countmedal
from athletes
where medal<>'nomedal'
group by year,sex
order by year desc;
```

	year	sex	countmedal
►	1992	M	1339
	1920	M	1264
	1988	M	1228
	1984	M	1150
	2000	M	1124
	1972	M	1119
	1980	M	1117
	2008	M	1116

	year	sex	countmedal
	1976	M	1091
	1996	M	1078
	2016	M	1054
	2012	M	1023
	1968	M	995
	2016	F	969
	1964	M	969
	2008	F	932

	year	sex	countmedal
	1956	M	872
	1948	M	871
	1960	M	863
	1908	M	815
	1996	F	764
	1928	M	720
	1992	F	691
	1932	M	671