MY SQL PROJECT

Olympic Athletes

```
60    /* SQL Olymics project */
61    -- Q1. Show how many medal counts present for entire data.
62  • SELECT Medal, COUNT(*) AS count
63    FROM athletes
64    WHERE Medal IS NOT NULL
65    GROUP BY Medal;
66
67
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

Medal	count
NoMedal	693999
Gold	40116
Bronze	39885
Silver	39348

```
68
69    -- Q2. Show count of unique Sports are present in olympics.
70  • select distinct(sport) from athletes;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

sport
Basketball
Judo
Football
Tug-Of-War
Speed Skating
Cross Country Skiing
Athletics
Ice Hockey

Result 3 ×

```
73    -- Q3. Show how many different medals won by Team India in data.
74 •  select * from athletes;
75 •  select Medal , count(*) as count
76    from athletes
77    where Team = 'India' and Medal IS NOT null
78    group by Medal;
79
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

Medal	count
NoMedal	3609
Gold	414
Silver	57
Bronze	120

```
81    /* Q4. Show event wise medals won by india show from highest to
82    lowest medals won in order. */
83 •  select Event ,count(Medal) as Total_Medals
84    from athletes
85    where Team = 'India' and Medal is not null
86    group by Event
87    order by Total_Medals desc
88    ;
89
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

Event	Total_Medals
Hockey Mens Hockey	945
Football Mens Football	153
Hockey Womens Hockey	90
Athletics Womens 4 x 400 metres Relay	87
Water Polo Mens Water Polo	57
Athletics Mens Marathon	54
Archery Mens Individual	51
Archery Mens Team	45
Tennis Mens Doubles	42
Wrestling Mens Welterweight Freestyle	42
Athletics Mens 100 metres	42
Shooting Mens Trap	39
Tennis Mens Singles	36
Cycling Mens Team Pursuit 4000 metres	36
Archery Womens Individual	36

```
90      -- Q5. Show event and yearwise medals won by india in order of year.
91 •    select * from athletes;
92 •    select event,medal,year,count(medal) from athletes
93      where medal <> "nomedal"
94      group by event,medal,year
95      order by year;
96
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Event	Total_Medals
Hockey Mens Hockey	945
Football Mens Football	153
Hockey Womens Hockey	90
Athletics Womens 4 x 400 metres Relay	87
Water Polo Mens Water Polo	57
Athletics Mens Marathon	54
Archery Mens Individual	51
Archery Mens Team	45
Tennis Mens Doubles	42
Wrestling Mens Welterweight Freestyle	42
Athletics Mens 100 metres	42
Shooting Mens Trap	39
Tennis Mens Singles	36
Cycling Mens Team Pursuit 4000 metres	36
Archery Womens Individual	36
Archery Womens Team	36
Athletics Mens 200 metres	36
Athletics Mens 4 x 100 metres Relay	36

```
98       -- Q6. Show the country with maximum medals won gold, silver, bronze
99 •     select Team,count(Medal)
100      from athletes
101      where Medal in ("Gold","Silver","Bronze")
102      group by Team
103      order by count(Medal) desc ;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Event	Total_Medals
Hockey Mens Hockey	945
Football Mens Football	153
Hockey Womens Hockey	90
Athletics Womens 4 x 400 metres Relay	87
Water Polo Mens Water Polo	57
Athletics Mens Marathon	54
Archery Mens Individual	51
Archery Mens Team	45
Tennis Mens Doubles	42
Wrestling Mens Welterweight Freestyle	42
Athletics Mens 100 metres	42
Shooting Mens Trap	39
Tennis Mens Singles	36
Cycling Mens Team Pursuit 4000 metres	36
Archery Womens Individual	36
Archery Womens Team	36
Athletics Mens 200 metres	36
Athletics Mens 4 x 100 metres Relay	36

Result 9 x

```
106    -- Q7. Show the top 10 countries with respect to gold medals
107 •  select Team,count(Medal)
108    from athletes
109    where Medal= 'Gold'
110    group by Team
111    order by count(Medal) desc;
112
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⊞A

Team	count(Medal)
United States	7422
Soviet Union	3174
Germany	2037
Italy	1605
Great Britain	1557
France	1365
Sweden	1353
Hungary	1296
Canada	1266
East Germany	1107
Russia	1098
Australia	1026
China	924
Norway	897
Netherlands	831
Japan	741
South Korea	633
Finland	594

```
113    -- Q8. Show in which year did United States won most medals
114 •  select year,count(medal)
115    from athletes
116    where team ="United states" and not medal = "nomedal"
117    group by year
118    order by count(medal) desc
119    limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⊞A

Team	count(Medal)
United States	7422
Soviet Union	3174
Germany	2037
Italy	1605
Great Britain	1557
France	1365
Sweden	1353
Hungary	1296
Canada	1266
East Germany	1107
Russia	1098
Australia	1026
China	924
Norway	897
Netherlands	831
Japan	741
South Korea	633
Finland	594

```
123      -- Q9. In which sports United States has most medals
124  •   select Sport,count(Medal)
125      from athletes
126      where not medal="nomedal" and team="united states"
127      group by sport
128      order by count(medal) desc
129      limit 3;
130
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA | Fetch rows:

Sport	count(Medal)
Athletics	3213
Swimming	3198
Basketball	1023

```
132      -- Q10. Find top 3 players who have won most medals along with their sports and country
133  •   select * from athletes;
134  •   select name,sport,count(medal),team
135      from athletes
136      where not medal ="nomedal"
137      group by name,sport,team
138      order by count(medal) desc
139      limit 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA | Fetch rows:

name	sport	count(medal)	team
Michael Fred Phelps II	Swimming	84	United States
Larysa Semenivna Latynina Diriy	Gymnastics	54	Soviet Union
Nikolay Yefimovich Andrianov	Gymnastics	45	Soviet Union

```
147      -- Q11. Find player with most gold medals in cycling along with his country.
148  •   select name,sport,count(medal),team
149      from athletes
150      where medal not in ("silver,bronze") and sport = "cycling"
151      group by name,sport,team
152      order by count(medal) desc
153      limit 1;
154
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA | Fetch rows:

name	sport	count(medal)	team
Judith Arndt	Cycling	36	Germany

```sql
156    -- Q12. Find player with most medals (Gold + Silver + Bronze) in Basketball also show his country.
157  • select name,sport,count(medal),team
158    from athletes
159    where medal not in ("nomedal") and sport = "basketball"
160    group by name,sport,team
161    order by count(medal) desc
162    limit 1;
163
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	sport	count(medal)	team
Teresa Edwards	Basketball	15	United States

```sql
165    -- Q13. Find out the count of different medals of the top basketball player.
166  • select name,sport,count(medal),team,medal
167    from athletes
168    where medal not in ("nomedal") and sport = "basketball"
169    group by name,sport,team,medal
170    order by name,medal,count(medal) desc
171    limit 5;
172
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	sport	count(medal)	team	medal
Abby Bishop	Basketball	3	Australia	Bronze
Adesio Rafael Lombardo Rossi	Basketball	3	Uruguay	Bronze
Adrian Delano Dantley	Basketball	3	United States	Gold
Adrian Howard Smith	Basketball	3	United States	Gold
Adriana Adrianinha Moiss Pinto	Basketball	3	Brazil	Bronze

```
173    -- Q14. Find out medals won by male, female each year.
174 •  select team,year,sex,count(Medal)
175    from athletes
176    where not Medal= "nomedal"
177    group by team,year,sex
178    order by year,team;
179
```

team	year	sex	count(Medal)
Australia	1896	M	6
Australia/Great Britain	1896	M	6
Austria	1896	M	15
Denmark	1896	M	18
Ethnikos Gymnastikos Syllogos	1896	M	6
France	1896	M	33
Germany	1896	M	93
Great Britain	1896	M	21
Great Britain/Germany	1896	M	6
Greece	1896	M	132
Greece-1	1896	M	6
Hungary	1896	M	18
Switzerland	1896	M	9
United States	1896	M	60
A North American Team	1900	M	12
Amateur Athletic Association	1900	M	15