

SQL Questions

-- Find the total number of male and female athletes in each discipline:

```
SELECT discipline, SUM(female) AS total_female, SUM(male) AS total_male
FROM entriesgender
GROUP BY discipline;
```

-- Count the number of athletes from each country:

```
SELECT Country , COUNT(*) as Total_Athletes
from athletes
GROUP BY Country
ORDER BY Total_Athletes DESC;
```

-- Calculate the total medals won by each country:

```
SELECT Team_Country ,
SUM(Gold) as Total_Gold,
SUM(Silver) as Total_Silver,
SUM(Bronze) as Total_Bronze
FROM medals
GROUP BY Team_Country
ORDER BY Total_Gold DESC;
```

-- Calculate the average number of entries for each discipline:

```
SELECT Discipline ,
AVG(Female) as Average_Female_Entries,
AVG(Male) as Average_Male_Entries
FROM entriesgender
GROUP BY Discipline;
```

-- Retrieve all athletes and their details who participated in the 'Swimming' discipline

```
SELECT * FROM athletes WHERE discipline = 'Swimming';
```

-- Retrieve the details of teams that have won at least one gold medal:

```
SELECT * FROM teams
WHERE TeamName IN
(SELECT team_country FROM medals WHERE gold > 0);
```

-- Find the total number of medals won by each country, ordered by the total number of medals:

```
SELECT Team_Country,
SUM(Gold) +
SUM(Silver) +
SUM(Bronze) AS Total_Medals
```

```
FROM medals
GROUP BY Team_Country
ORDER BY Total_Medals DESC;
```

```
-- OR
```

```
SELECT Team_Country, SUM(Total) AS total_medals
FROM medals
GROUP BY Team_Country
ORDER BY total_medals DESC;
```

```
-- Get the names of athletes and their respective disciplines who have won
at least one medal:
```

```
SELECT a.TeamName, a.discipline, m.gold, m.silver, m.bronze
FROM athletes a
JOIN medals m ON a.TeamName = m.team_country
WHERE m.total > 0;
```