

Anthony Randall

Q1: Can you please provide the name, age, and nationality of all the athletes competing in the Olympics?

SQL: SELECT name, age, nationality FROM ATHLETE;

Results:

NAME	AGE	NATIONALITY
Yuna Kim	33	South Korea
Simone Biles	27	United States
Neymar Jr.	32	Brazil
Elud Kipchoge	39	Kenya
Dina Asher-Smith	28	Great Britain
Usain Bolt	24	Jamaica
John Apple	20	American
Kyle Smith	19	Spanish

Q2: Which stadiums in the Olympics have a greater than the average capacity of all stadiums?

SQL: SELECT stadium\_name  
FROM STADIUM  
WHERE stadium\_capacity > (SELECT AVG(stadium\_capacity) FROM STADIUM);

Result:

STADIUM_NAME
Olympic Stadium
Old Trafford
London Stadium
Vitality Stadium

4 rows returned in 0.01 seconds [Download](#)

Q3: Which stadiums have roofs that are adjustable?

SQL: SELECT stadium\_name  
FROM STADIUM  
WHERE stadium\_roof = 'adjustable';

Result:

STADIUM_NAME
Olympic Stadium
London Stadium
King Power Stadium

3 rows returned in 0.01 seconds [Download](#)

Q4: How many events were held on August 1st 2024?

SQL: SELECT COUNT(\*) AS num\_events  
FROM EVENT  
WHERE event\_date = to\_date('2024-08-01', 'YYYY-MM-DD');

Result:

NUM_EVENTS
1
1 rows returned in 0.05 seconds <a href="#">Download</a>

Q5: List the athletes that represent the United States and how many gold medals they have won.

```
SQL: SELECT ATHLETE.name, count(EVENT.gold_medal) as gold_medals
      FROM ATHLETE
      JOIN event ON ATHLETE.athlete_id = EVENT.gold_medal
      WHERE ATHLETE.nationality = 'American'
      GROUP BY ATHLETE.name;
```

Result:

NAME	GOLD_MEDALS
John Apple	1
Olivia Rodrigo	1
2 rows returned in 0.01 seconds <a href="#">Download</a>	

Q6: What is the best deal a family of 5 adults, 2 kids and 2 senior citizens can get on tickets.

**(Kenny helped me with this one)**

```
SQL: SELECT
      'Best Deal' AS ticket_option,
      (5 * 50) + (2 * 25) + (2 * 30) AS total_price
      FROM dual;
```

Result:

TICKET_OPTION	TOTAL_PRICE
Best Deal	360
1 rows returned in 0.03 seconds <a href="#">Download</a>	

Q7: List the countries in order from greatest to least amount of total medals won.

```
SQL: SELECT team AS country,
      COUNT(gold_medal) AS gold_medals,
      COUNT(silver_medal) AS silver_medals,
      COUNT(bronze_medal) AS bronze_medals,
      COUNT(*) AS total_medals
      FROM EVENT
      GROUP BY team
      ORDER BY total_medals DESC;
```

Result:

COUNTRY	GOLD_MEDALS	SILVER_MEDALS	BRONZE_MEDALS	TOTAL_MEDALS
USA	2	2	2	2
Spain	2	2	2	2
Nigeria	1	1	1	1
Britain	1	1	1	1
Canada	1	1	1	1

Q8: Which event had the highest average of early bird tickets sold and please list them from least to greatest (**Kenny helped me with this one**)

```
SQL: SELECT event_name, avg(CASE WHEN ticket_type = 'Early Bird' THEN 1 ELSE 0
END) AS avg_early_bird_tickets_sold
FROM EVENT
JOIN TICKET ON event.event_id = ticket.event_id
GROUP BY event_name
ORDER BY avg_early_bird_tickets_sold desc;
```

Result:

EVENT_NAME	AVG_EARLY_BIRD_TICKETS_SOLD
Tennis Singles	1
Cycling	0
Boxing Heavyweight	0
100m Sprint	0
Archery	0

Q9. Which stadium had the highest capacity and which events were held here?

```
SQL: SELECT s.stadium_name, s.stadium_capacity, e.event_name
FROM STADIUM s
JOIN EVENT e
ON s.stadium_id = e.event_id
WHERE s.stadium_capacity = (SELECT max(stadium_capacity) FROM stadium);
```

Result:

STADIUM_NAME	STADIUM_CAPACITY	EVENT_NAME
Olympic Stadium	80000	100m Sprint
Old Trafford	80000	Gymnastics

2 rows returned in 0.06 seconds [Download](#)

Q10: List in order of greatest to least of each stadium capacity

```
SQL: SELECT s.stadium_name, s.stadium_capacity
FROM STADIUM s
ORDER BY s.stadium_capacity DESC;
```

Result:

STADIUM_NAME	STADIUM_CAPACITY
Olympic Stadium	80000
Old Trafford	80000
Vitality Stadium	75000
London Stadium	70000
John Danzi Stadium	60000