

## Question:

### Day 6 of SQL Advent Calendar

#### Today's Question:

Scientists are tracking polar bears across the Arctic to monitor their migration patterns and caloric intake. Write a query to find the top 3 polar bears that have traveled the longest total distance in December 2024. Include their bear\_id, bear\_name, and total\_distance\_traveled in the results.

**Table name:** polar\_bears

bear_id	bear_name	age
1	Snowball	10
2	Frosty	7
3	Iceberg	15
4	Chilly	5

**Table name:** tracking

tracking_id	bear_id	distance_km	date
1	1	25	2024-12-01
2	2	40	2024-12-02
3	1	30	2024-12-03
4	3	50	2024-12-04
5	2	35	2024-12-05
6	4	20	2024-12-06

SQL Query:

```
1  SELECT p.bear_id,
2         bear_name,
3         SUM(distance_km) AS total_distance_traveled
4  FROM polar_bears p
5  JOIN tracking t
6  ON p.bear_id = t.bear_id
7  WHERE date BETWEEN '2024-12-01' AND '2024-12-31'
8  GROUP BY p.bear_id
9  ORDER BY total_distance_traveled DESC
10 LIMIT 3;
```

Output:

BEAR_ID	BEAR_NAME	TOTAL_DISTANCE_TRAVELED
3	Iceberg	105
1	Snowball	100
2	Frosty	75