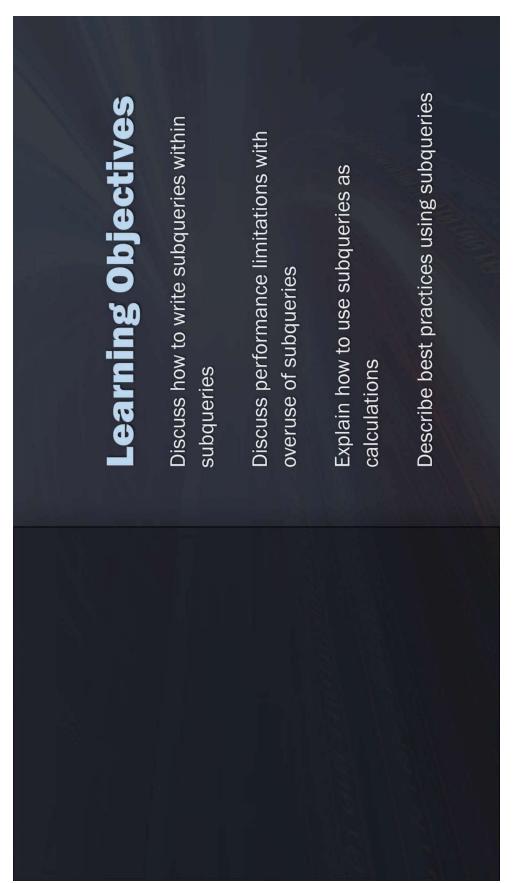
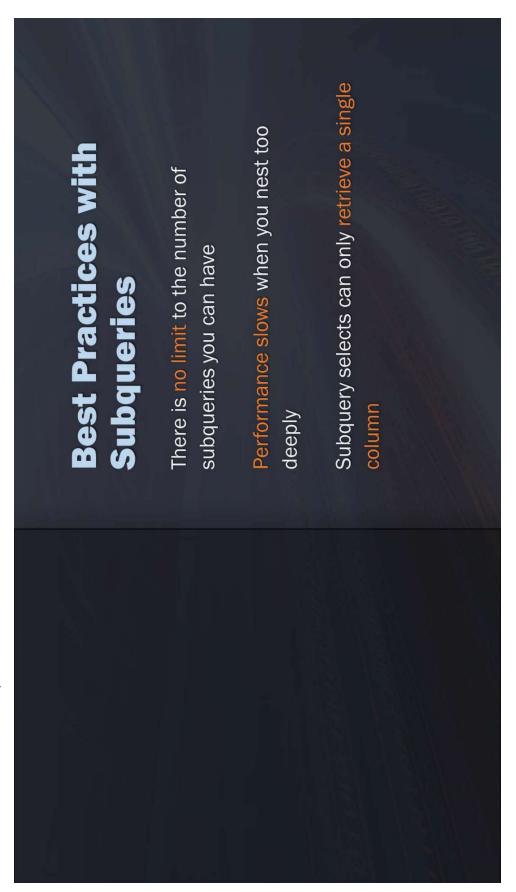
Slide 1: Subquery Best Practices and Considerations



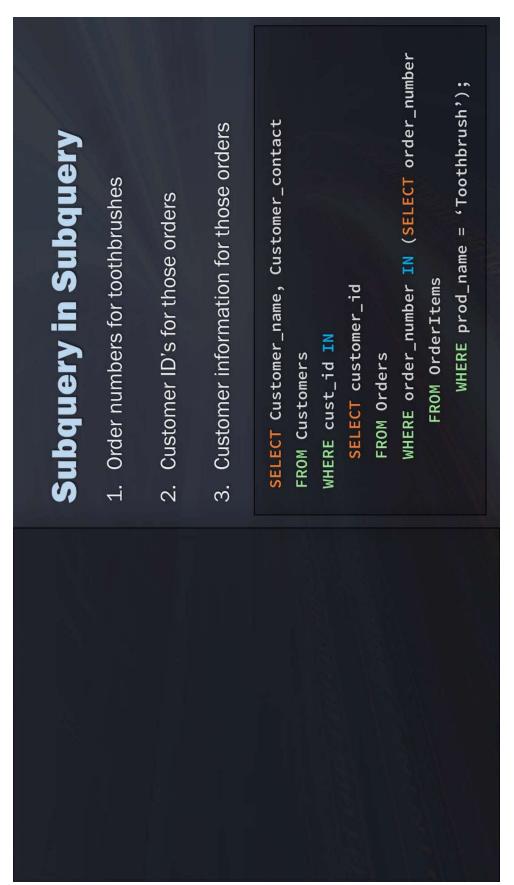
Slide 2: Learning Objectives



Slide 3: Best Practices With Subqueries



Slide 4: Subquery in Subquery



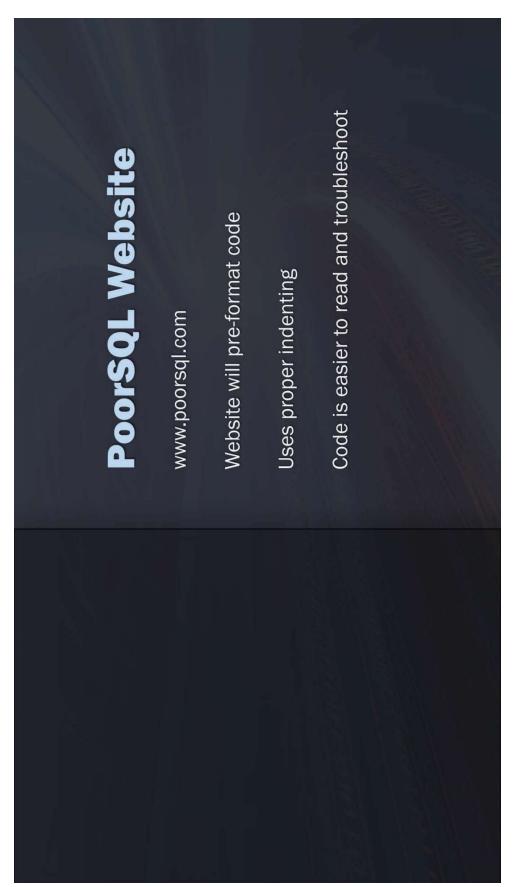
Slide 5: Subquery in Subquery



Slide 6: Subquery in Subquery

## WHERE order\_number IN (SELECT order\_number WHERE prod\_name = 'Toothbrush'); SELECT Customer\_name, Customer\_contact 3. Customer information for those orders **Subquery in Subquery** 1. Order numbers for toothbrushes 2. Customer ID's for those orders FROM OrderItems SELECT customer\_id WHERE cust\_id IN FROM Orders FROM Customers

Slide 7: PoorSQL Website



Slide 8: Subqueries for Calculations

## **Subqueries for Calculations**

Total number of orders placed by every customer

| Customer_name | Customer_state | Orders |
|---------------|----------------|--------|
| Becky         | ΙΑ             | 2      |
| Nita          | CA             | 9      |
| Raj           | НО             | 0      |
| Steve         | AZ             | ਜ      |

```
SELECT COUNT (*) AS orders
FROM Orders
WHERE customer_id = '143569';

SELECT customer_name
, customer_state
   (SELECT COUNT (*) AS orders
   FROM Orders

WHERE Orders.customer_id =
Customer.customer_id) AS orders
FROM customers
```

Slide 9: The Power of Subqueries

