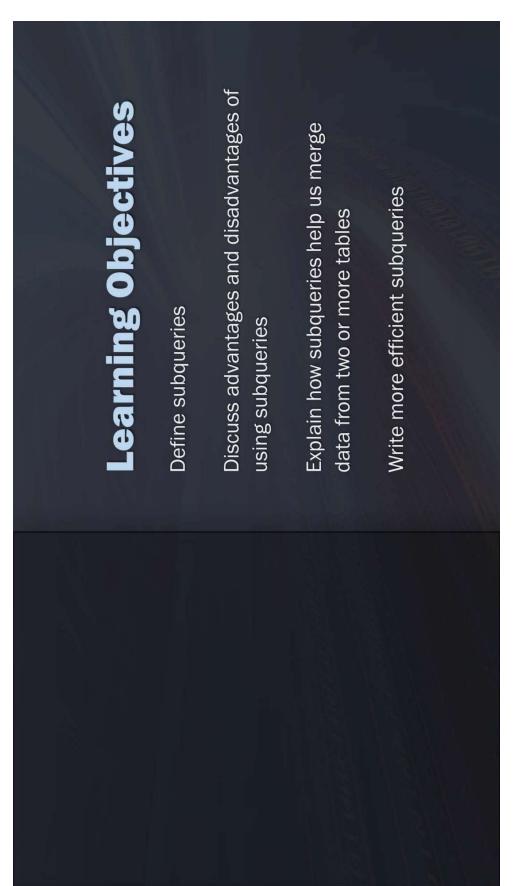
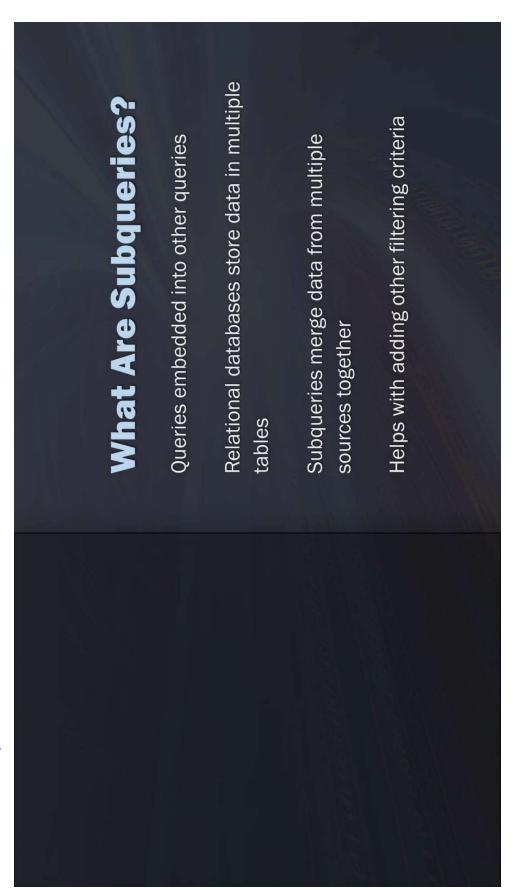
Slide 1: Using Subqueries







Problem Setup: Subqueries to Filter

Need to know the region each customer is from who has had an order with freight over 100

- Retrieve all customer IDs for orders with freight over 100
- 2. Retrieve customer information
- 3. Combine the two queries

Combined for a Subquery

Need to know the region each customer is from who has had an order with freight over 100

SELECT
CustomerID
, CompanyName
, Region
FROM Customers
WHERE customerID in (SELECT customerID
FROM Orders
WHERE Freight > 100);

Combined for a Subquery

Need to know the region each customer is from who has had an order with freight over 100

SELECT
CustomerID
, CompanyName
, Region
FROM Customers
WHERE customerID in (SELECT customerID
FROM Orders
WHERE Freight > 100);

Slide 7: Working with Subquery Statements

Working with Subquery Statements

Always perform the innermost SELECT portion first

DBMS is performing two operations

- Getting the order numbers for the product selected
- Adding that to the WHERE clause and processing the overall SELECT statement

```
CustomerID
, CompanyName
, Region
FROM Customers
WHERE customerID IN (SELECT
customerID
FROM Orders
WHERE Freight > 1000);
```