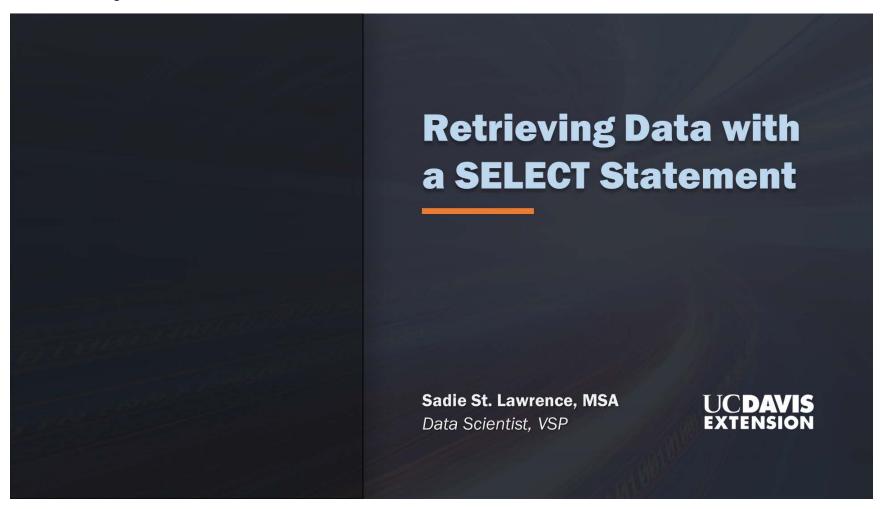Slide 1: Retrieving Data with a SELECT Statement

Slide 2: Learning Objectives

Learning Objectives

Write a basic SELECT statement

Tell a database which table your data will come FROM

SELECT either all or particular columns from a table in a query

Limit the amount of data which is returned in a query

Slide 3: The SELECT Statement

The SELECT Statement

Need to specify two pieces of information to use a SELECT statement: what you want and where you want to select it from.

```
SELECT prod_name
FROM Products;
```

Output

prod_name
Shampoo
Toothpaste
Deodorant
Toothbrush

Slide 4: Retrieving Multiple Columns

Retrieving Multiple Columns

Add multiple column names, be sure to use a comma

```
SELECT prod_name, prod_id,
prod_price
FROM Products;


SELECT    prod_name
          ,prod_id
          ,prod_price
FROM Products;
```
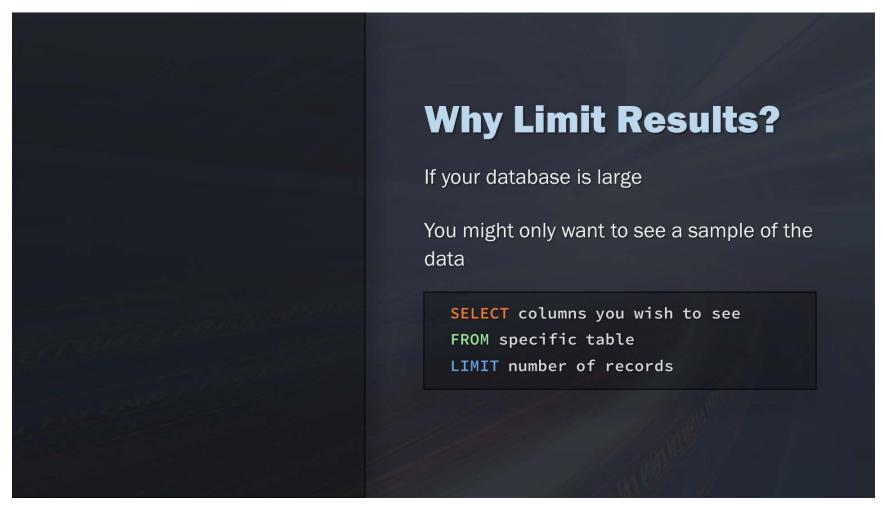
Slide 5: Retrieving Multiple Columns Using a Wildcard

Slide 6: Why Limit Results?

Slide 7: Limiting Results Using Different Syntaxes

Limiting Results Using Different Syntaxes

SQLite

```
SELECT prod_name
FROM Products
LIMIT 5;
```

Oracle

```
SELECT prod_name
FROM Products
WHERE ROWNUM <=5;
```

DB2

```
SELECT prod_name
FROM Products
FETCH FIRST 5 ROWS ONLY;
```