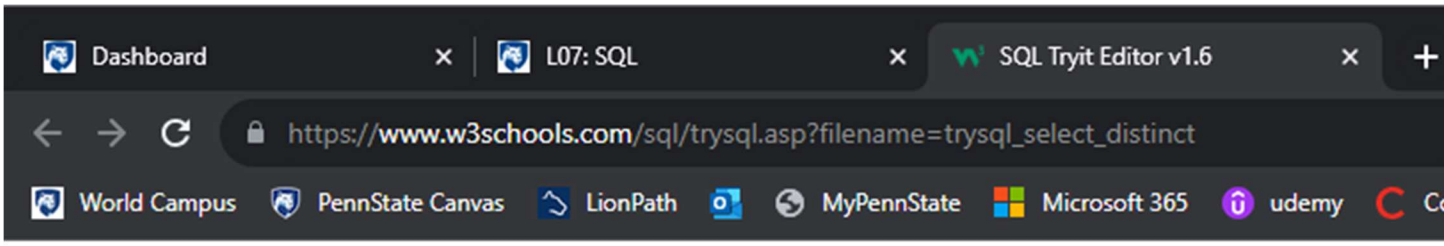
L07 SQL
IST 110

Part I: SELECT statement

1. List the entire contents of the Customers table. [SELECT *]



SQL Statement:

Get

```
SELECT * FROM Customers;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

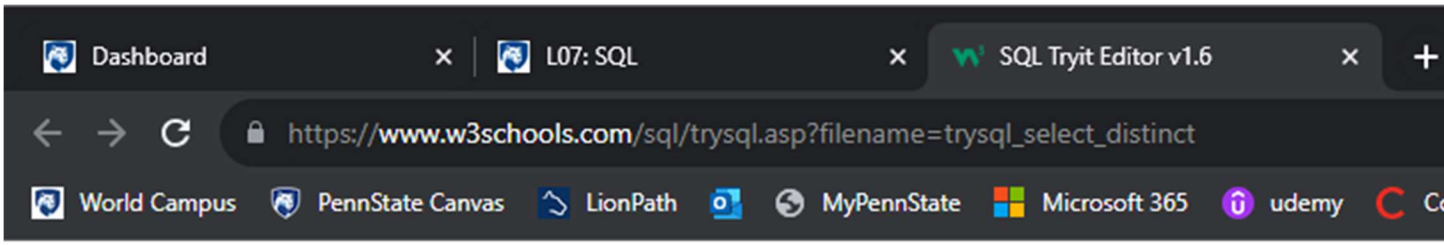
Run SQL »

Result:

Number of Records: 91

CustomerID	CustomerName	ContactName	Address	City	Po
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	W
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-

2. List the CustomerName of all customers where city = "Berlin". [SELECT WHERE]



SQL Statement:

Get

```
SELECT CustomerName FROM Customers
WHERE City = 'Berlin';
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

CustomerName
Alfreds Futterkiste

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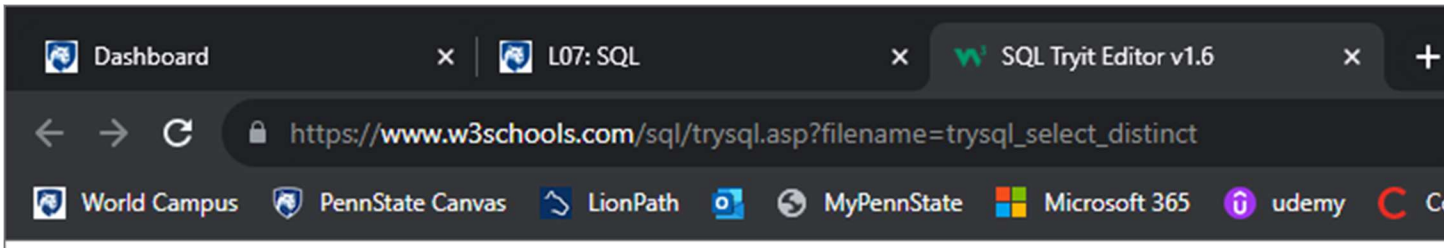
Your Database:

Tablename	Records
Customers	91

3. List the CustomerName of all customers in the USA in alphabetical order by CustomerName. [SELECT ORDER BY]



SQL Statement:

Get

```
SELECT CustomerName FROM Customers
WHERE Country = 'USA'
ORDER BY CustomerName ASC;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

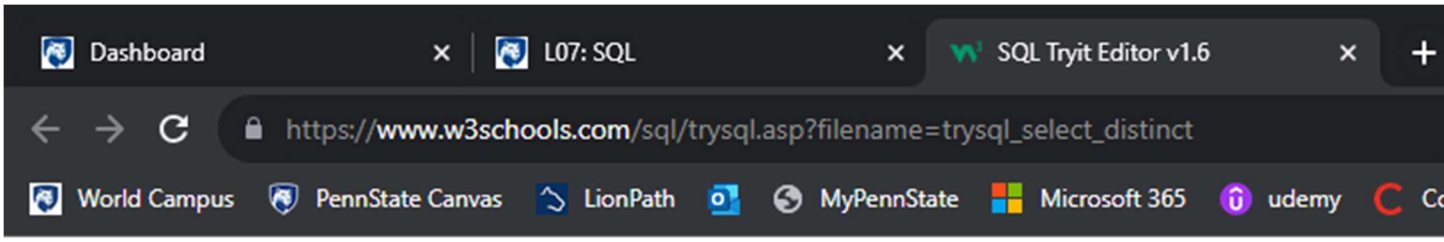
Run SQL »

Result:

Number of Records: 13

CustomerName
Great Lakes Food Market
Hungry Coyote Import Store
Lazy K Kountry Store
Let's Stop N Shop
Lonesome Pine Restaurant
Old World Delicatessen
Rattlesnake Canyon Grocery
Save-a-lot Markets

4. List all of the cities in the Customers table. Now revise your SQL to remove duplicate cities. [SELECT DISTINCT



SQL Statement:

Get

```
SELECT DISTINCT City FROM Customers;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

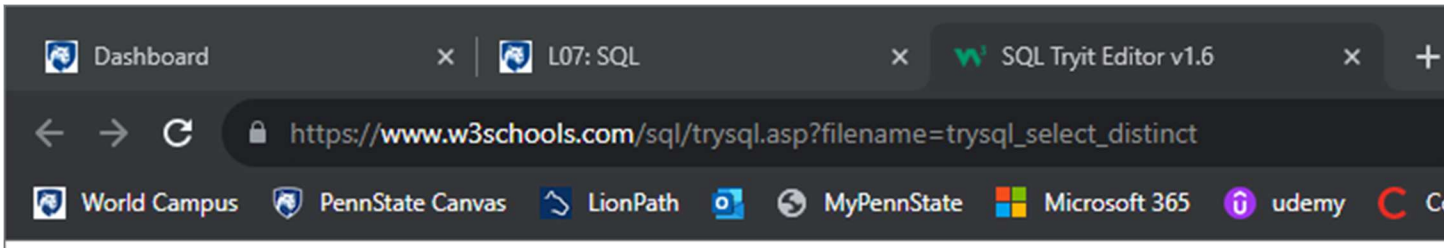
Result:

Number of Records: 69

City
Berlin
México D.F.
London
Luleå
Mannheim
Strasbourg
Madrid
Marseille

Part II: INSERT statement

1. Insert a new record in the Categories table. The new record should contain the following values ("Frozen Foods", "French Fries, TV Dinners, Eggos"). [INSERT INTO]



SQL Statement:

Get

```
INSERT INTO Categories (CategoryName)
VALUES  ('Frozen Foods'),
        ('French Fries'),
        ('TV Dinners'),
        ('Eggos');
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database. Rows affected: 4

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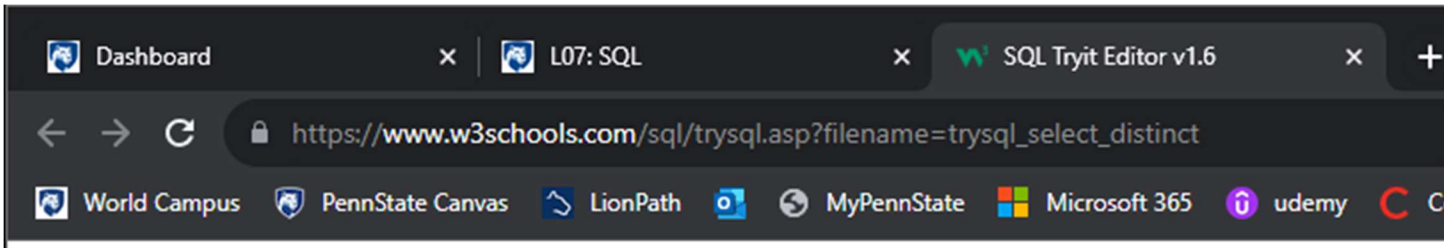
Your Database:

Tablename	Records
Customers	91
Categories	12
Employees	10
OrderDetails	518
Orders	196
Products	77

7	Produce	Dried fruit and bean cu
8	Seafood	Seaweed and fish
13	Frozen Foods	*null*
14	French Fries	*null*
15	TV Dinners	*null*
16	Eggos	*null*

Part III: DELETE statement

1. Delete the record that you just added to the Categories table. [DELETE]



SQL Statement:

Get

```
DELETE FROM Categories WHERE
    CategoryName = 'Frozen Foods' OR
    CategoryName = 'French Fries' OR
    CategoryName = 'TV Dinners' OR
    CategoryName = 'Eggos';
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database. Rows affected: 4

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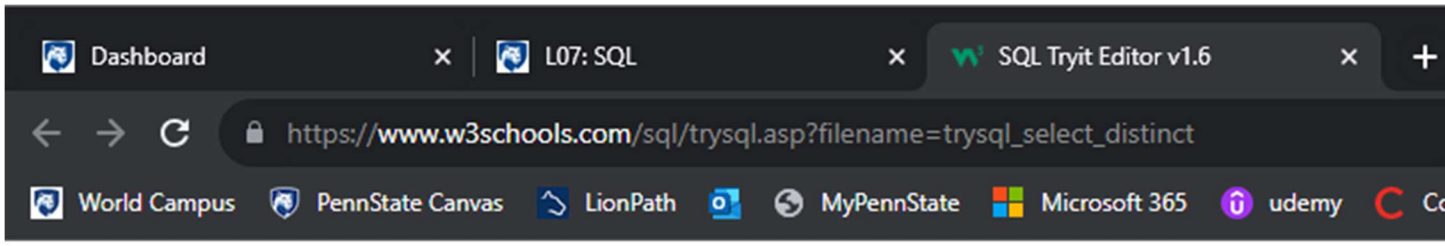
Your Database:

Tablename	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77



SQL Statement:

Get

```
SELECT * FROM Categories;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 8

CategoryID	CategoryName	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and se
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal
6	Meat/Poultry	Prepared meats
7	Produce	Dried fruit and bean curd
8	Seafood	Seaweed and fish