

W3SCHOOL Y CONEXIÓN A BASE DE DATOS

Fernando Saavedra Rodríguez

CONSTRUCCIÓN DE BASE DE DATOS 3NM61

Contenido

Conexión a base de datos.....	2
EXERCISES W3SCHOOL	6
QUIZ W3SCHOOL	32

Conexión a base de datos

1.- Ejecutamos el script para crear la base de datos (usamos PHPMYADMIN)

```
DROP DATABASE TARTEDELAVIE;
CREATE DATABASE TARTEDELAVIE;
USE TARTEDELAVIE;

CREATE TABLE PERSONA(
    ID_PERSONA INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
    NOMBRE VARCHAR(50) NOT NULL,
    APELLIDOS VARCHAR(50) NOT NULL,
    SEXO BOOL
);
CREATE TABLE DIRECCIONES(
    ID_DIRECCION INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
    DIRECCION TEXT
);
CREATE TABLE REL_DIR_PERSONA(
    ID_REL INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
    ID_PERSONA INT NOT NULL,
    ID_DIRECCION INT NOT NULL,
    FOREIGN KEY (ID_PERSONA) REFERENCES PERSONA(ID_PERSONA),
    FOREIGN KEY (ID_DIRECCION) REFERENCES DIRECCIONES(ID_DIRECCION)
);
CREATE TABLE USUARIO(
    ID_USUARIO INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
    USUARIO TEXT NOT NULL,
    CONTRASENA TEXT NOT NULL,
    ID_PERSONA INT NOT NULL,
    TIPO VARCHAR(30) NOT NULL,
    FOREIGN KEY (ID_PERSONA) REFERENCES PERSONA(ID_PERSONA)
);
```

The screenshot shows the phpMyAdmin interface on a Windows desktop. In the top-left corner, the taskbar displays icons for Microsoft Word, Arknights Toolbox, Arknights Farming..., Yan-Li Art, and OptimML.pdf. The main window shows the creation of a database named 'tartedelave' and its tables:

```
CREATE DATABASE `tartedelave`;
USE `tartedelave`;
CREATE TABLE `PERSONA` (
    `ID_PERSONA` INT(11) NOT NULL,
    `NOMBRE` VARCHAR(50) NOT NULL,
    `APELLIDOS` VARCHAR(50) NOT NULL,
    `SEXO` BLOB
);
CREATE TABLE `DIRECCION` (
    `ID_DIRECCION` INT(11) NOT NULL,
    `DIRECCION` VARCHAR(50) NOT NULL,
    `ID_PERSONA` INT(11) NOT NULL,
    `ID_REL_DIR` INT(11) NOT NULL
);
```

The bottom status bar indicates the date and time: 01/06 p.m. 30/03/2020.

2.- insertamos un dato que vayamos a consultar

The screenshot shows the phpMyAdmin interface on a Windows desktop. The taskbar icons are the same as in the previous screenshot. The main window shows the insertion of a record into the 'persona' table:

```
INSERT INTO `tartedelave`.`persona` (
    `ID_PERSONA`,
    `NOMBRE`,
    `APELLIDOS`,
    `SEXO`
) VALUES ('1', 'fernando', 'saavedra', '1');
```

A green message bar at the top right says "1 fila insertada". The bottom status bar indicates the date and time: 01/08 p.m. 30/03/2020.

The screenshot shows a MySQL query editor interface. At the top, there is a code editor window containing the following SQL code:

```
INSERT INTO `tartedelavie`.`persona` (
    `ID_PERSONA`,
    `NOMBRE`,
    `APELLODOS`,
    `SEXO`
)
VALUES /
```

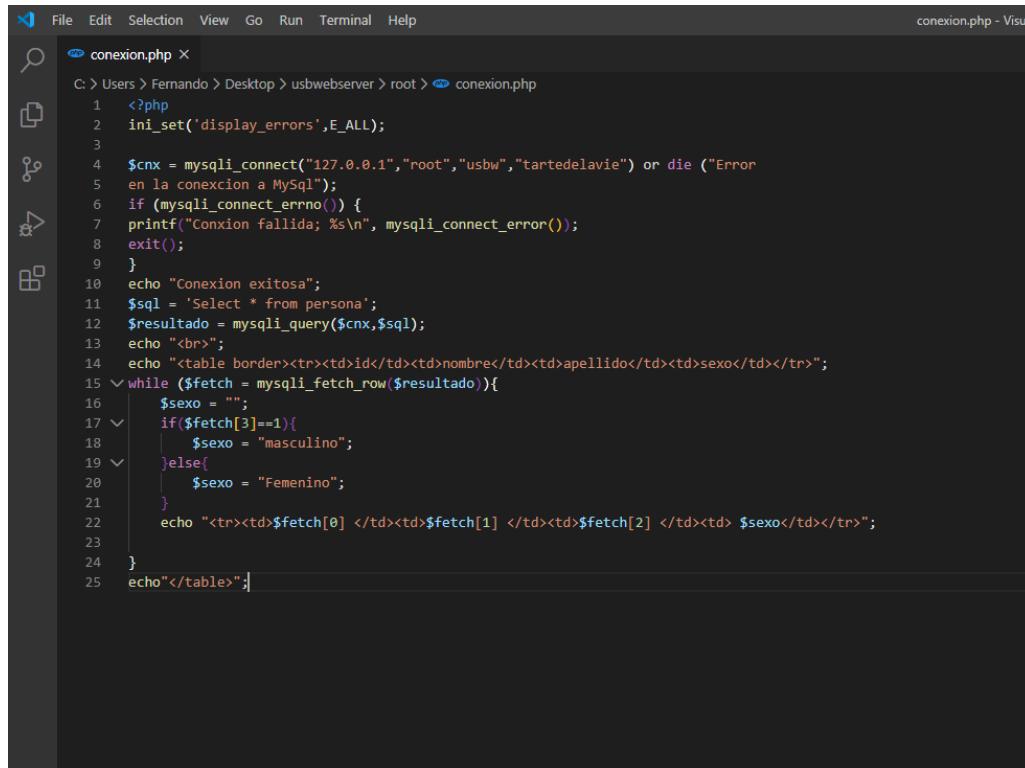
Below the code editor, there is a button bar with several options: **Ejecutar la(s) consulta(s) SQL en la base de datos tartedelavie:** (with a magnifying glass icon), **[Editar]**, and **[Crear código PHP]**.

On the right side of the interface, there is a sidebar titled "Columnas" (Columns) which lists the columns of the "persona" table:

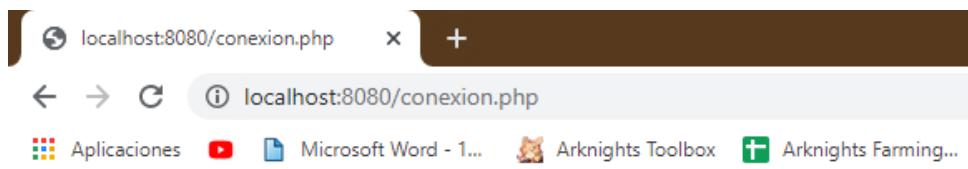
- ID_PERSONA
- NOMBRE
- APELLIDOS
- SEXO

At the bottom left of the main area, there are five buttons: **SELECT ***, **SELECT**, **INSERT**, **UPDATE**, and **DELETE**. Below these buttons is a **Limpiar** (Clear) button.

3.- Ejecutamos el servidor con el código php para ver el resultado



```
<?php
ini_set('display_errors',E_ALL);
$cnx = mysqli_connect("127.0.0.1","root","usbw","tartedelavie") or die ("Error en la conexion a MySql");
if (mysqli_connect_errno()) {
    printf("Conexion fallida: %s\n", mysqli_connect_error());
    exit();
}
echo "Conexion exitosa";
$sql = 'Select * from persona';
$resultado = mysqli_query($cnx,$sql);
echo "<br>";
echo "<table border><tr><td>id</td><td>nombre</td><td>apellido</td><td>sexo</td></tr>";
while ($fetch = mysqli_fetch_row($resultado)){
    $sexo = "";
    if($fetch[3]==1){
        $sexo = "masculino";
    }else{
        $sexo = "Femenino";
    }
    echo "<tr><td>$fetch[0] </td><td>$fetch[1] </td><td>$fetch[2] </td><td> $sexo</td></tr>";
}
echo"</table>";
```



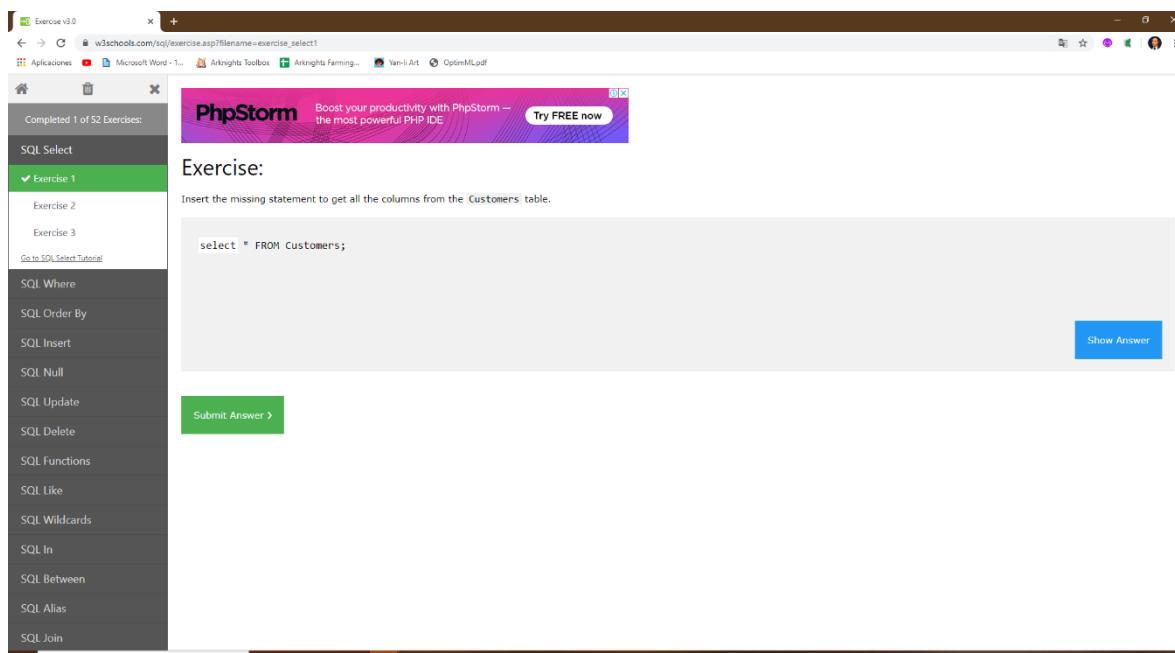
Conexion exitosa

id	nombre	apellido	sexo
1	Fernando	Saavedra	masculino
2	gerardo	lopez	masculino
3	ana	juarez	Femenino

Nos envía el mensaje de conexión exitosa, por lo tanto, se pudo realizar la conexión.

Y además tenemos la consulta de los registros que hicimos.

EXERCISES W3SCHOOL



Completed 1 of 52 Exercises:

- SQL Select
- Exercise 1
- Exercise 2
- Exercise 3
- [Go to SQL Select Tutorial](#)

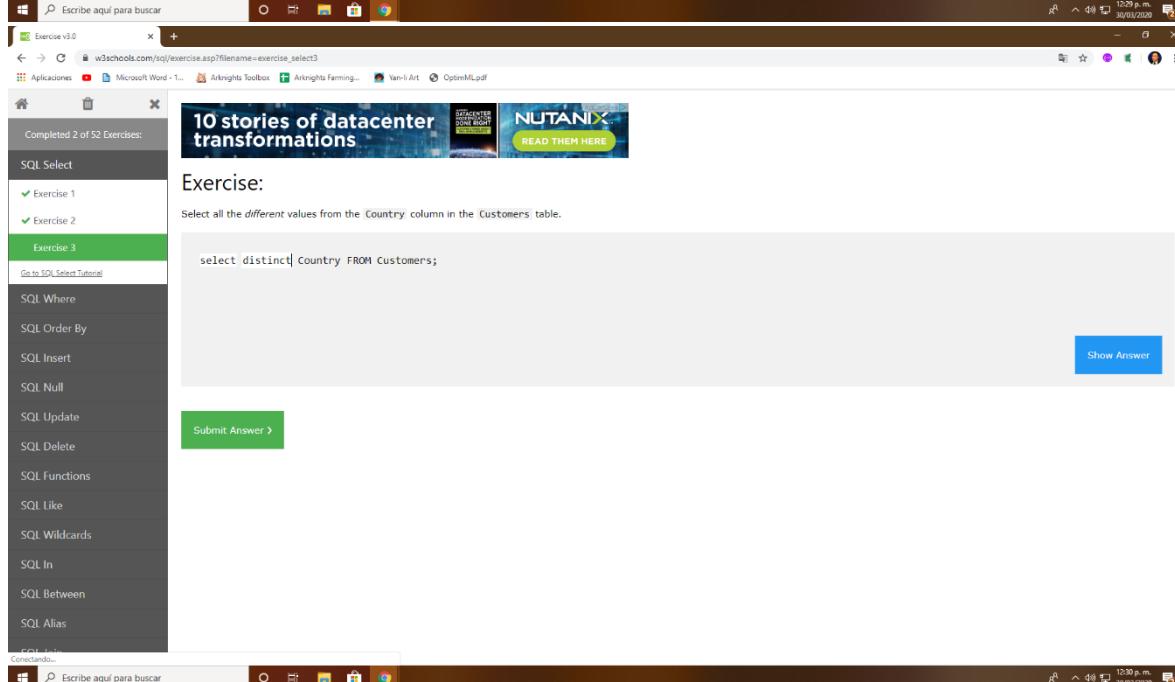
Exercise:

Insert the missing statement to get all the columns from the `Customers` table.

```
select * FROM Customers;
```

Show Answer

Submit Answer >



Completed 2 of 52 Exercises:

- SQL Select
- Exercise 1
- Exercise 2
- Exercise 3
- [Go to SQL Select Tutorial](#)

Exercise:

Select all the *different* values from the `Country` column in the `Customers` table.

```
select distinct| Country FROM Customers;
```

Show Answer

Submit Answer >

The image shows a Windows desktop environment with two browser windows open, both displaying exercises from w3schools.com/sql/exercise.asp?filename=exercise_where1.

Top Browser Window:

- Title Bar:** Exercise v3.0
- Address Bar:** w3schools.com/sql/exercise.asp?filename=exercise_where1
- Content Area:**
 - Left Sidebar (Completed 3 of 52 Exercises):** SQL Select, SQL Where, **Exercise 1** (highlighted in green), Exercise 2, Exercise 3, Exercise 4, Exercise 5, Go to SQL Where Tutorial.
 - Exercise Content:** "jPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis! Conoce más".
Exercise: "Select all records where the City column has the value "Berlin".
Code:

```
SELECT * FROM Customers  
where city = 'Berlin';
```

 - Buttons:** Show Answer (blue button), Submit Answer > (green button).

Bottom Browser Window:

- Title Bar:** Exercise v3.0
- Address Bar:** w3schools.com/sql/exercise.asp?filename=exercise_where2
- Content Area:**
 - Left Sidebar (Completed 5 of 52 Exercises):** SQL Select, SQL Where, **Exercise 1**, **Exercise 2** (highlighted in green), Exercise 3, Exercise 4, Exercise 5, Go to SQL Where Tutorial.
 - Exercise Content:** "10 stories of datacenter transformations" (ad banner).
Exercise: "Use the NOT keyword to select all records where City is NOT "Berlin".
Code:

```
SELECT * FROM Customers  
where not city = 'berlin';
```

 - Buttons:** Show Answer (blue button), Submit Answer > (green button).

The screenshot shows a Windows desktop with three windows of the 'Exercise v3.0' application stacked vertically. Each window has a title bar with the title 'Exercise v3.0' and a URL 'w3schools.com/sql/exercise.asp?filename=exercise_where3'. The windows are arranged from top to bottom, each showing a different exercise.

Top Window (CustomerID = 32):

- Exercise:** Select all records where the `CustomerID` column has the value 32.
- SQL Query:**

```
SELECT * FROM Customers
where CustomerID = 32;
```
- Buttons:** 'Submit Answer >', 'Show Answer'

Middle Window (City = 'Berlin' and PostalCode = 12209):

- Exercise:** Select all records where the `City` column has the value 'Berlin' and the `PostalCode` column has the value 12209.
- SQL Query:**

```
select * FROM Customers
where City = 'Berlin'
and postalcode = 12209;
```
- Buttons:** 'Submit Answer >', 'Show Answer'

Bottom Window (General Sidebar):

- Completed 6 of 52 Exercises:**
- Categories:** SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between.

The image shows three separate browser windows side-by-side, all displaying the same website: w3schools.com/sql/exercise.asp?filename=exercise_where5. Each window has a title bar showing "Exercise v3.0".

Left Window (Exercise 5):

- Completed:** 7 of 52 Exercises.
- Category:** SQL Select
- Exercise:** Select all records where the `City` column has the value 'Berlin' or 'London'.
- Code:**

```
select * FROM Customers
where City = 'Berlin'
or city = 'London';
```
- Buttons:** "Submit Answer >" (green), "Show Answer" (blue).

Middle Window (Exercise 1):

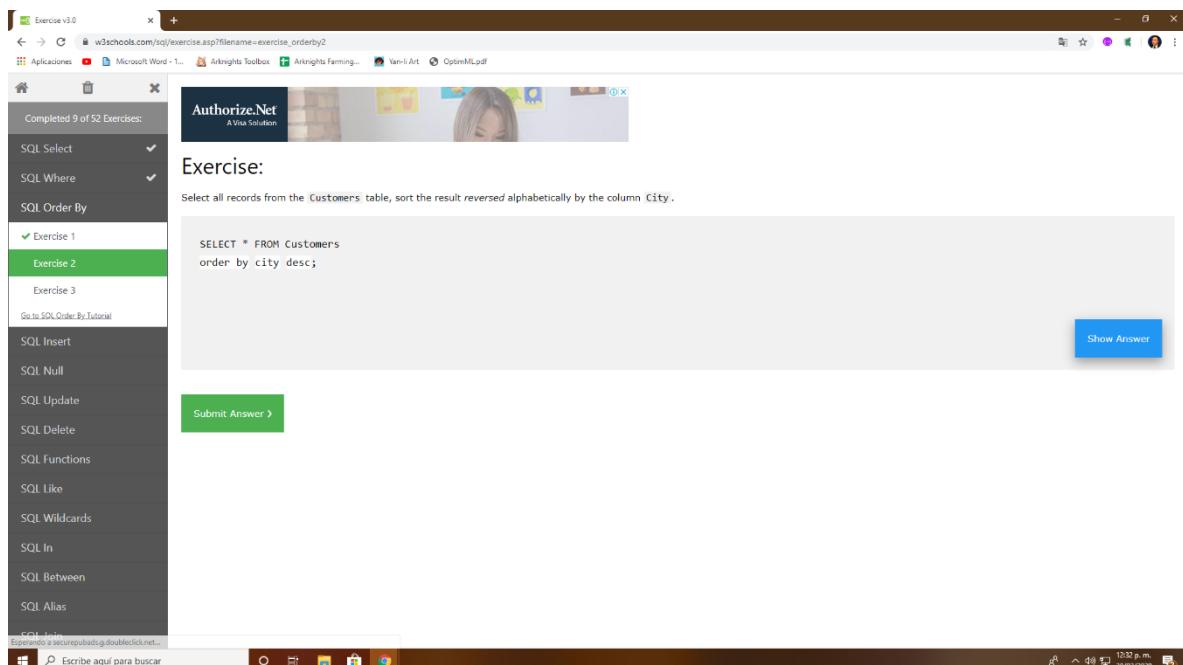
- Completed:** 8 of 52 Exercises.
- Category:** SQL Order By
- Exercise:** Select all records from the `Customers` table, sort the result alphabetically by the column `City`.
- Code:**

```
SELECT * FROM Customers
order by city;
```
- Buttons:** "Submit Answer >" (green), "Show Answer" (blue).

Right Window (Exercise 1):

- Completed:** 8 of 52 Exercises.
- Category:** SQL Order By
- Exercise:** Select all records from the `Customers` table, sort the result alphabetically by the column `City`.
- Code:**

```
SELECT * FROM Customers
order by city;
```
- Buttons:** "Submit Answer >" (green), "Show Answer" (blue).



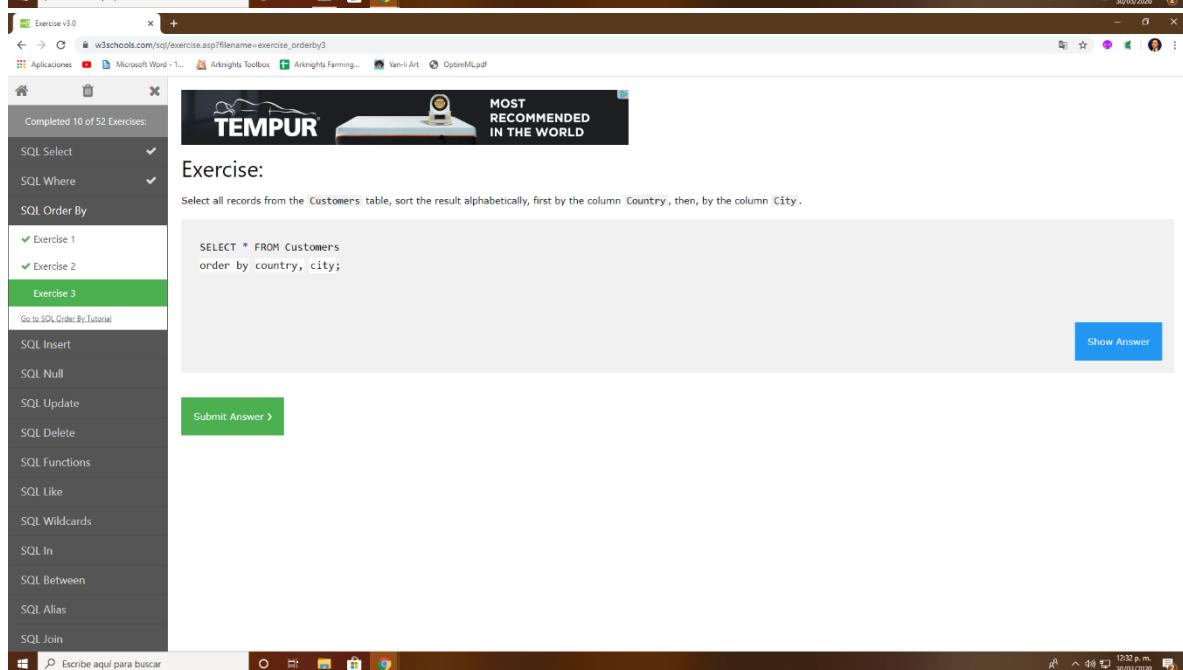
Completed 9 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- Exercise 1
- Exercise 2**
- Exercise 3
- Go to SQL Order By Tutorial
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias

SELECT * FROM Customers
order by city desc;

Show Answer

Submit Answer >



Completed 10 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- Exercise 1
- Exercise 2
- Exercise 3**
- Go to SQL Order By Tutorial
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias
- SQL Join

SELECT * FROM Customers
order by country, city;

Show Answer

Submit Answer >

The image shows a Windows desktop with two browser windows open, both displaying exercises from w3schools.com/sql.

Top Window (Exercise v3.0):

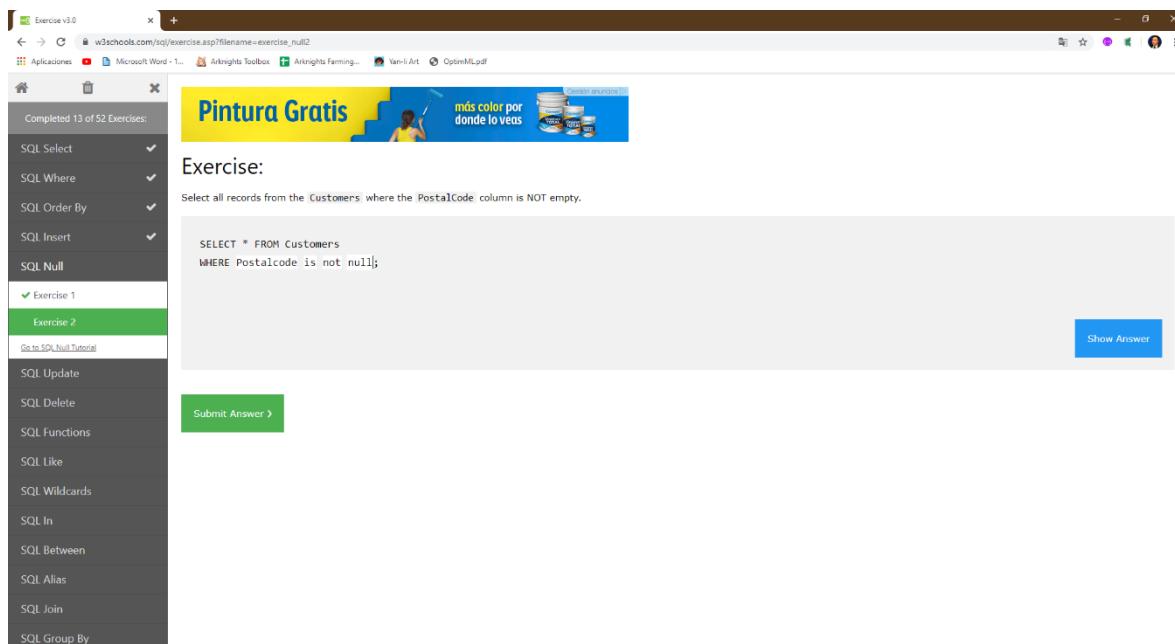
- Title Bar:** Exercise v3.0 - w3schools.com/sql/exercise.asp?filename=exercise_insert1
- Toolbar:** Back, Forward, Stop, Refresh, Address bar (w3schools.com/sql/exercise.asp?filename=exercise_insert1), Favorites, Minimize, Maximize, Close.
- Content Area:**
 - Completed 11 of 52 Exercises:** SQL Select, SQL Where, SQL Order By, SQL Insert, **Exercise 1** (highlighted in green), Go to SQL Insert Tutorial, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias, SQL Join, SQL Group By, SQL Database.
 - Advertisement:** 10 stories of datacenter transformations, NUTANIX.
 - Exercise:** Insert a new record in the `Customers` table.
 - SQL Query:**

```
insert into Customers (
CustomerName,
Address,
City,
PostalCode,
Country)
values (
'Hekkan Burger',
'Gateveien 15',
'Sandnes',
'4306',
'Norway');
```
 - Buttons:** Show Answer, Submit Answer >.

Bottom Window (Exercise v3.0):

- Title Bar:** Exercise v3.0 - w3schools.com/sql/exercise.asp?filename=exercise_null1
- Toolbar:** Back, Forward, Stop, Refresh, Address bar (w3schools.com/sql/exercise.asp?filename=exercise_null1), Favorites, Minimize, Maximize, Close.
- Content Area:**
 - Completed 12 of 52 Exercises:** SQL Select, SQL Where, SQL Order By, SQL Insert, **SQL Null** (highlighted in green), **Exercise 1**, Go to SQL Null Tutorial, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias, SQL Join, SQL Group By.
 - Advertisement:** KFC PIDE A DOMICILIO KFC.COM.MX.
 - Exercise:** Select all records from the `Customers` where the `PostalCode` column is empty.
 - SQL Query:**

```
SELECT * FROM Customers
WHERE PostalCode is null;
```
 - Buttons:** Show Answer, Submit Answer >.



Completed 13 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- Exercise 1
- Exercise 2**
- [Go to SQL Null Tutorial](#)

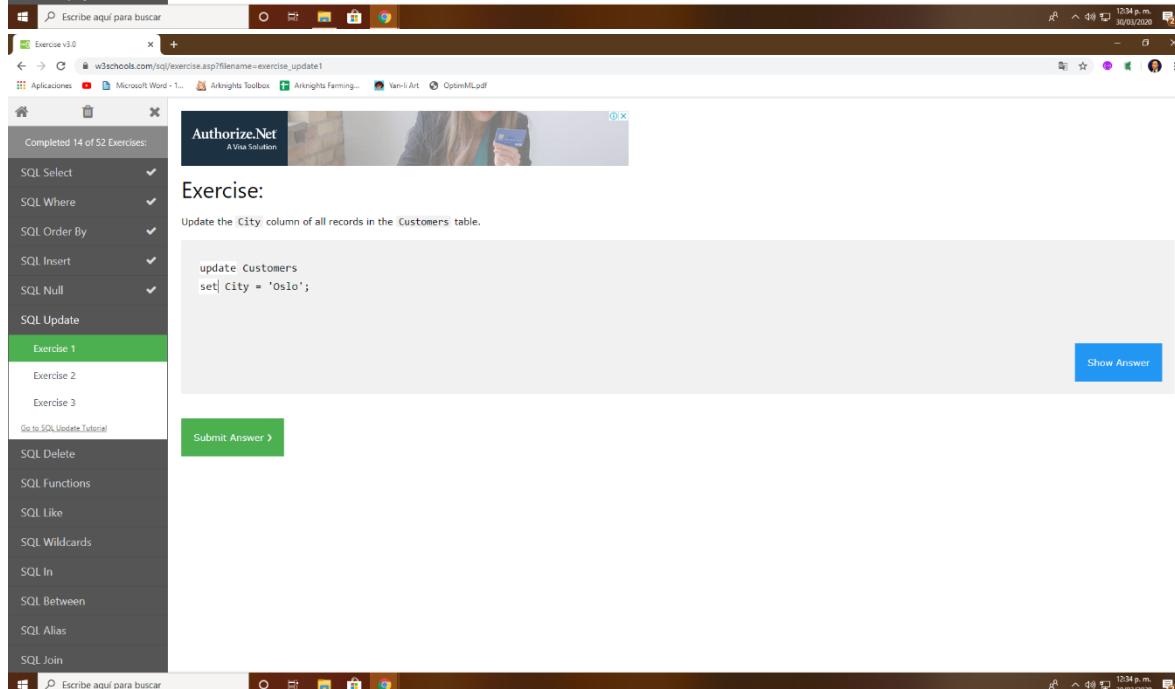
Exercise:

Select all records from the `Customers` where the `PostalCode` column is NOT empty.

```
SELECT * FROM Customers
WHERE PostalCode is not null;
```

[Show Answer](#)

[Submit Answer >](#)



Completed 14 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- Exercise 1**
- Exercise 2
- Exercise 3
- [Go to SQL Update Tutorial](#)

Exercise:

Update the `City` column of all records in the `Customers` table.

```
update Customers
set city = 'Oslo';
```

[Show Answer](#)

[Submit Answer >](#)

Completed 15 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- Exercise 1
- Exercise 2**
- Exercise 3
- Go to SQL Update Tutorial
- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias
- SQL Join

Exercise:

Set the value of the `City` columns to 'Oslo', but only the ones where the `Country` column has the value "Norway".

```
update Customers
set City = 'Oslo'
where Country = 'Norway';
```

Show Answer

Submit Answer >

Completed 16 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- Exercise 1
- Exercise 2
- Exercise 3**
- Go to SQL Update Tutorial
- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias
- SQL Join

Exercise:

Update the `City` value and the `Country` value.

```
update Customers
set City = 'Oslo',
country = 'Norway'
WHERE CustomerID = 32;
```

Show Answer

Submit Answer >

The image shows a Windows desktop environment with three windows open:

- Top Window:** A browser window titled "Exercise v3.0" showing a SQL exercise. The URL is w3schools.com/sql/exercise.asp?filename=exercise_delete1. The exercise asks to delete all records from the "Customers" table where the "Country" value is 'Norway'. The code input field contains:

```
delete from Customers
where Country = 'Norway';
```

A "Show Answer" button is visible.
- Middle Window:** A browser window titled "Exercise v3.0" showing a SQL exercise. The URL is w3schools.com/sql/exercise.asp?filename=exercise_delete2. The exercise asks to delete all records from the "Customers" table. The code input field contains:

```
delete from Customers;
```

A "Show Answer" button is visible.
- Bottom Window:** A browser window titled "Exercise v3.0" showing a SQL exercise. The URL is w3schools.com/sql/exercise.asp?filename=exercise_delete3. The exercise asks to delete all records from the "Customers" table. The code input field contains:

```
delete from Customers;
```

A "Show Answer" button is visible.

The desktop taskbar at the bottom shows various pinned icons and the date/time as 10:35 p.m. 30/09/2020.

Exercise:

Use the `MIN` function to select the record with the smallest value of the `Price` column.

```
SELECT min(price)
FROM Products;
```

Show Answer

Submit Answer >

Exercise:

Use an SQL function to select the record with the highest value of the `Price` column.

```
SELECT max(price)
FROM Products;
```

Show Answer

Submit Answer >

The image shows two screenshots of the Exercise v3.0 software interface, one above the other. Both screenshots display a sidebar on the left containing a list of SQL exercises, each with a checkmark indicating completion. The sidebar includes categories like SQL Select, SQL Where, SQL Order By, etc., and specific exercises numbered 1 through 5. A green bar highlights 'Exercise 3' in the first screenshot and 'Exercise 4' in the second.

Screenshot 1 (Exercise 3):

- Completed 21 of 52 Exercises:
- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions** (highlighted)
- Exercise 1
- Exercise 2
- Exercise 3** (highlighted)
- Exercise 4
- Exercise 5
- [Go to SQL Functions Tutorial](#)

Exercise:
Use the correct function to return the number of records that have the `Price` value set to `18`.

```
SELECT count(*)
FROM Products
where Price = 18;
```

Screenshot 2 (Exercise 4):

- Completed 22 of 52 Exercises:
- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions** (highlighted)
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4** (highlighted)
- Exercise 5
- [Go to SQL Functions Tutorial](#)

Exercise:
Use an SQL function to calculate the average price of all products.

```
SELECT avg(price)
FROM Products;
```

The screenshot shows the Exercise v3.0 software interface. On the left, a sidebar lists completed exercises: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, and SQL Like. Under SQL Functions, 'Exercise 5' is selected and highlighted in green. Below the sidebar, a message says 'Completed 23 of 52 Exercises'. The main area displays an exercise titled 'Exercise:' with the instruction: 'Use an SQL function to calculate the sum of all the Price column values in the Products table.' A code editor contains the query:

```
SELECT sum(price)
FROM Products;
```

 Below the code editor are two buttons: 'Submit Answer >' and 'Show Answer'. At the top of the window, there's a browser-like header with tabs and icons.

Exercise:
Use an SQL function to calculate the sum of all the `Price` column values in the `Products` table.

```
SELECT sum(price)
FROM Products;
```

Submit Answer > Show Answer

Completed 23 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions**
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5**
- Go to SQL Functions Tutorial

SQL Like

SQL Wildcards

SQL In

SQL Between

This screenshot shows the same software interface as above, but with a different exercise. The sidebar shows completed exercises up to 'Exercise 1'. The main area displays an exercise titled 'Exercise:' with the instruction: 'Select all records where the value of the `City` column starts with the letter "a".' A code editor contains the query:

```
SELECT * FROM Customers
where city like 'a%';
```

 Below the code editor are two buttons: 'Submit Answer >' and 'Show Answer'. The top header shows a different advertisement for HostGator.

Exercise:
Select all records where the value of the `City` column starts with the letter "a".

```
SELECT * FROM Customers
where city like 'a%';
```

Submit Answer > Show Answer

Completed 24 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions**
- Exercise 1**
- Exercise 2
- Exercise 3
- Exercise 4
- Exercise 5
- Go to SQL Like Tutorial

SQL Wildcards

SQL In

SQL Between

The screenshot shows two separate instances of the Exercise v3.0 application running side-by-side. Both instances have a sidebar on the left containing a list of SQL topics and exercises. The sidebar includes sections for 'Completed 25 of 52 Exercises' and 'SQL Like'. Under 'SQL Like', 'Exercise 1' is marked as completed (green checkmark), and 'Exercise 2' is currently selected (highlighted in green). Below the sidebar, each instance displays an exercise question and its corresponding SQL query.

Exercise 2 (Top Window):

Exercise:

Select all records where the value of the `City` column ends with the letter "a".

```
SELECT * FROM Customers
where city like '%a';
```

Exercise 3 (Bottom Window):

Exercise:

Select all records where the value of the `City` column contains the letter "a".

```
SELECT * FROM Customers
where city like '%a%';
```

The image shows a Windows desktop with three windows open, each displaying a SQL exercise from w3schools.com.

Top Window: The title bar says "Exercise v3.0". The content area shows a sidebar with a list of SQL topics and exercises. Under "SQL Like", "Exercise 4" is selected and highlighted in green. The main area displays the following exercise:

Exercise:
Select all records where the value of the `City` column starts with letter "a" and ends with the letter "b".

```
SELECT * FROM Customers  
where city like 'a%b';
```

Bottom Window: The title bar says "Exercise v3.0". The content area shows a sidebar with a list of SQL topics and exercises. Under "SQL Like", "Exercise 5" is selected and highlighted in green. The main area displays the following exercise:

Exercise:
Select all records where the value of the `City` column does NOT start with the letter "a".

```
SELECT * FROM Customers  
where city not like 'a%';
```

Third Window: The title bar says "Exercise v3.0". This window is mostly visible at the bottom of the screen and appears to be identical to the others.

The image shows a Windows desktop with three windows open, each displaying an SQL exercise from w3schools.com.

Top Window: The title bar says "Exercise v3.0" and the address bar shows "w3schools.com/sql/exercise.asp?filename=exercise_wildcards1". The left sidebar lists completed exercises: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, and SQL Wildcards. "Exercise 1" is highlighted in green. The main content area displays an advertisement for TEMPUR followed by an exercise: "Select all records where the second letter of the City is an 'a'.
SELECT * FROM Customers
WHERE City LIKE '_a%';" A "Show Answer" button is visible at the bottom right.

Middle Window: The title bar says "Exercise v3.0" and the address bar shows "w3schools.com/sql/exercise.asp?filename=exercise_wildcards2". The left sidebar lists completed exercises: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, and SQL Wildcards. "Exercise 2" is highlighted in green. The main content area displays an advertisement for Authorize.Net followed by an exercise: "Select all records where the first letter of the City is an "a" or a "c" or an "s".
SELECT * FROM Customers
WHERE City LIKE '[acs]%'";" A "Show Answer" button is visible at the bottom right.

Bottom Window: The title bar says "Exercise v3.0" and the address bar shows "w3schools.com/sql/exercise.asp?filename=exercise_wildcards2". The left sidebar lists completed exercises: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, and SQL Wildcards. "Exercise 2" is highlighted in green. The main content area displays an advertisement for Authorize.Net followed by an exercise: "Select all records where the first letter of the City is an "a" or a "c" or an "s".
SELECT * FROM Customers
WHERE City LIKE '[acs]%'";" A "Show Answer" button is visible at the bottom right.

The image shows a Windows desktop with two browser windows open, both displaying exercises from w3schools.com/sql/exercise.asp?filename=exercise_wildcards3 and w3schools.com/sql/exercise.asp?filename=exercise_wildcards4.

Exercise 3 (Top Window):

- Exercise:** Select all records where the first letter of the `City` starts with anything from an "a" to an "f".
- SQL Query:** `SELECT * FROM Customers WHERE City LIKE '[a-f]%';`
- Buttons:** `Show Answer`, `Submit Answer >`

Exercise 4 (Bottom Window):

- Exercise:** Select all records where the first letter of the `City` is NOT an "a" or a "c" or an "f".
- SQL Query:** `SELECT * FROM Customers WHERE City LIKE '[^acf]%';`
- Buttons:** `Show Answer`, `Submit Answer >`

The desktop taskbar at the bottom shows various pinned icons and the date/time: 12:39 p.m. 30/01/2020.

The screenshot shows the Exercise v3.0 software interface. On the left is a sidebar menu with various SQL topics: Completed 33 of 52 Exercises, SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, Exercise 1 (which is selected and highlighted in green), Exercise 2, and Go to SQL In Tutorial. Below the sidebar is a search bar with placeholder text "Escribe aquí para buscar". The main area displays an exercise titled "Exercise:" with the instruction: "Use the IN operator to select all the records where Country is either 'Norway' or 'France'. The code provided is:

```
SELECT * FROM Customers
where country in ('norway', 'France');
```

At the bottom of the main area are two buttons: "Submit Answer >" and "Show Answer".

The second screenshot shows the same software interface. The sidebar menu is identical, but the "Exercise 1" item is now checked (indicated by a green checkmark). The "Exercise 2" item is also highlighted in green, indicating it is the current exercise. The main area displays an exercise titled "Exercise:" with the instruction: "Use the IN operator to select all the records where Country is NOT 'Norway' and NOT 'France'. The code provided is:

```
SELECT * FROM Customers
WHERE Country NOT IN ('Norway', 'France');
```

At the bottom of the main area are two buttons: "Submit Answer >" and "Show Answer".

The image shows a Windows desktop environment with two browser windows open, both displaying exercises from w3schools.com/sql/exercise.asp?filename=exercise_between1 and w3schools.com/sql/exercise.asp?filename=exercise_between2. The left window shows Exercise 1, which asks to select records where Price is between 10 and 20. The right window shows Exercise 2, which asks to select records where Price is NOT between 10 and 20. Both windows have a sidebar on the left listing various SQL topics with checkmarks indicating completion.

Exercise 1:
Use the BETWEEN operator to select all the records where the value of the `Price` column is between 10 and 20.

```
SELECT * FROM Products  
WHERE Price BETWEEN 10 AND 20;
```

Exercise 2:
Use the BETWEEN operator to select all the records where the value of the `Price` column is NOT between 10 and 20.

```
SELECT * FROM Products  
WHERE Price NOT BETWEEN 10 AND 20;
```

The screenshot shows a Windows desktop with a browser window open to w3schools.com/sql/exercise.asp?filename=exercise_between3. The browser title is "Exercise v3.0". The page displays an exercise titled "Exercise:" with the instruction: "Use the BETWEEN operator to select all the records where the value of the ProductName column is alphabetically between 'Geitost' and 'Pavlova'. The code provided is:

```
SELECT * FROM Products
WHERE ProductName BETWEEN 'Geitost' AND 'Pavlova';
```

Below the code are two buttons: "Submit Answer >" and "Show Answer". On the left, a sidebar lists completed exercises: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, and SQL Between. Under "SQL Between", "Exercise 3" is highlighted. Other sections listed include "Go to SQL Between Tutorial", SQL Alias, and SQL Join.

The screenshot shows a Windows desktop with a browser window open to w3schools.com/sql/exercise.asp?filename=exercise_alias1. The browser title is "Exercise v3.0". The page displays an exercise titled "Exercise:" with the instruction: "When displaying the Customers table, make an ALIAS of the PostalCode column; the column should be called Pno instead." The code provided is:

```
SELECT CustomerName,
Address,
PostalCode as Pno
FROM Customers;
```

Below the code are two buttons: "Submit Answer >" and "Show Answer". On the left, a sidebar lists completed exercises: SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, and SQL Between. Under "SQL Between", "Exercise 1" is highlighted. Other sections listed include "Go to SQL Alias Tutorial", SQL Join, SQL Group By, and SQL Database.

The screenshot displays two windows of the Exercise v3.0 application running on a Windows operating system. Both windows show a sidebar on the left with a list of SQL topics, each accompanied by a checkmark indicating completion. The main area of both windows contains an exercise task and a code editor.

Top Window (Exercise 2):

- Completed 39 of 52 Exercises:
- SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias (selected), Exercise 1, Exercise 2 (highlighted in green), Go to SQL Alias Tutorial, SQL Join, SQL Group By.

Main Area:

iPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis* Conoce más

Exercise:

When displaying the `Customers` table, refer to the table as `Consumers` instead of `Customers`.

```
SELECT *  
FROM Customers as consumers;
```

Show Answer | Submit Answer >

Bottom Window (Exercise 1):

- Completed 40 of 52 Exercises:
- SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias, SQL Join (selected), Exercise 1, Exercise 2, Exercise 3, Go to SQL Join Tutorial.

Main Area:

iPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis* Conoce más

Exercise:

Insert the missing parts in the `JOIN` clause to join the two tables `Orders` and `Customers`, using the `CustomerID` field in both tables as the relationship between the two tables.

```
SELECT *  
FROM Orders  
LEFT JOIN Customers  
ON Orders.CustomerID=Customers.CustomerID;
```

Show Answer | Submit Answer >

The image shows a Windows desktop environment with three windows open, all titled "Exercise v3.0".

- Top Window:** Displays a sidebar with a list of SQL topics: SQL Select, SQL Where, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias, and SQL Join. Under "SQL Join", "Exercise 2" is highlighted in green. The main area contains an exercise about JOIN clauses:

```
SELECT *
FROM Orders
INNER JOIN Customers
ON Orders.CustomerID=Customers.CustomerID;
```

A "Submit Answer >" button is at the bottom left, and a "Show Answer" button is at the top right.
- Middle Window:** Shows the same sidebar and exercise content, but the "Exercise 2" entry is not highlighted.
- Bottom Window:** Shows the same sidebar and exercise content, but the "Exercise 2" entry is not highlighted.

The screenshot shows the Exercise v3.0 interface. On the left is a sidebar with a tree view of SQL topics: Completed 43 of 52 Exercises, SQL Order By, SQL Insert, SQL Null, SQL Update, SQL Delete, SQL Functions, SQL Like, SQL Wildcards, SQL In, SQL Between, SQL Alias, SQL Join, and SQL Group By. Under SQL Group By, 'Exercise 1' is selected and highlighted in green. Below the sidebar is a main content area titled 'Exercise:' with the instruction 'List the number of customers in each country.' A code editor contains the following SQL query:

```
SELECT count(customerID),  
Country  
FROM Customers  
GROUP BY Country;
```

At the bottom of the content area are two buttons: 'Submit Answer >' and 'Show Answer'.

This screenshot shows the same Exercise v3.0 interface, but 'Exercise 2' is now selected in the sidebar under SQL Group By. The main content area has changed to a new exercise:

List the number of customers in each country, ordered by the country with the most customers first.

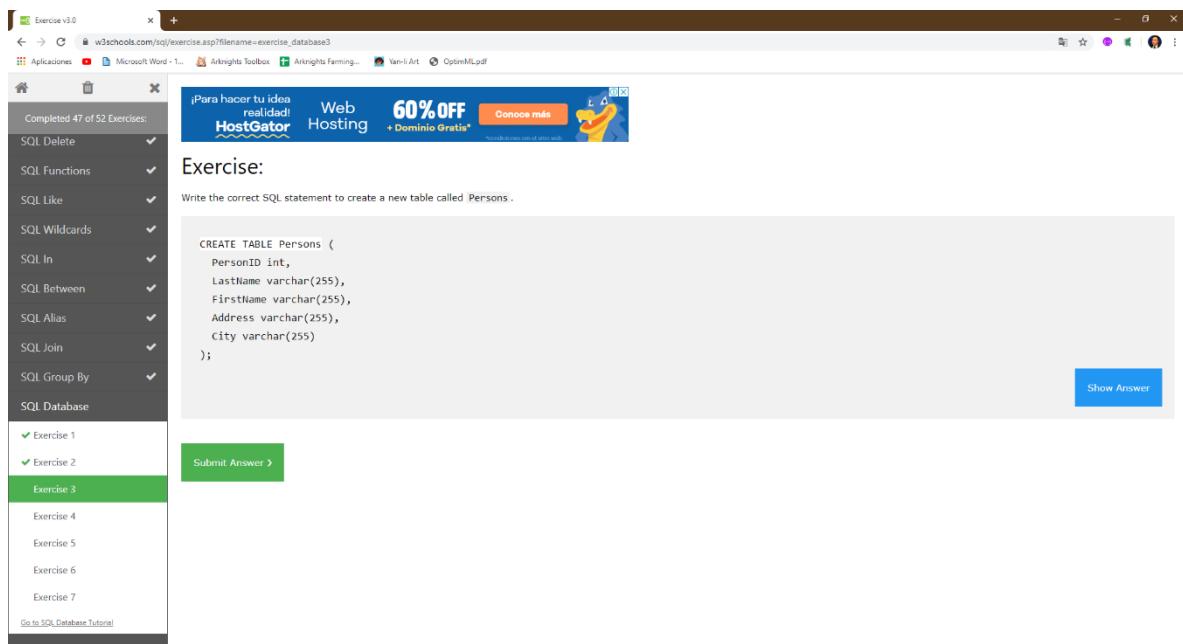
The code editor contains the following SQL query:

```
SELECT count(customerID),  
Country  
FROM Customers  
GROUP BY Country  
ORDER BY COUNT(CustomerID) DESC;
```

At the bottom of the content area are two buttons: 'Submit Answer >' and 'Show Answer'.

The image shows a Windows desktop environment with three windows open:

- Top Window:** A browser window titled "Exercise v3.0" showing a SQL exercise. The URL is w3schools.com/sql/exercise.asp?filename=exercise_database1. The exercise asks to write a SQL statement to create a database named "testDB". The code provided is "CREATE DATABASE testDB;". A "Show Answer" button is visible.
- Middle Window:** A browser window titled "Exercise v3.0" showing a SQL exercise. The URL is w3schools.com/sql/exercise.asp?filename=exercise_database2. The exercise asks to write a SQL statement to delete a database named "testDB". The code provided is "DROP DATABASE testDB;". A "Show Answer" button is visible.
- Bottom Window:** A standard Windows taskbar with icons for Start, File Explorer, Task View, and others. The system tray shows the date as 30/09/2020 and the time as 12:42 p.m.



Exercise v3.0

w3schools.com/sql/exercise.asp?filename=exercise_database3

Completed 47 of 52 Exercises:

- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias
- SQL Join
- SQL Group By
- SQL Database
- Exercise 1
- Exercise 2
- Exercise 3**
- Exercise 4
- Exercise 5
- Exercise 6
- Exercise 7

Go to SQL Database Tutorial!

iPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis! Conoce más

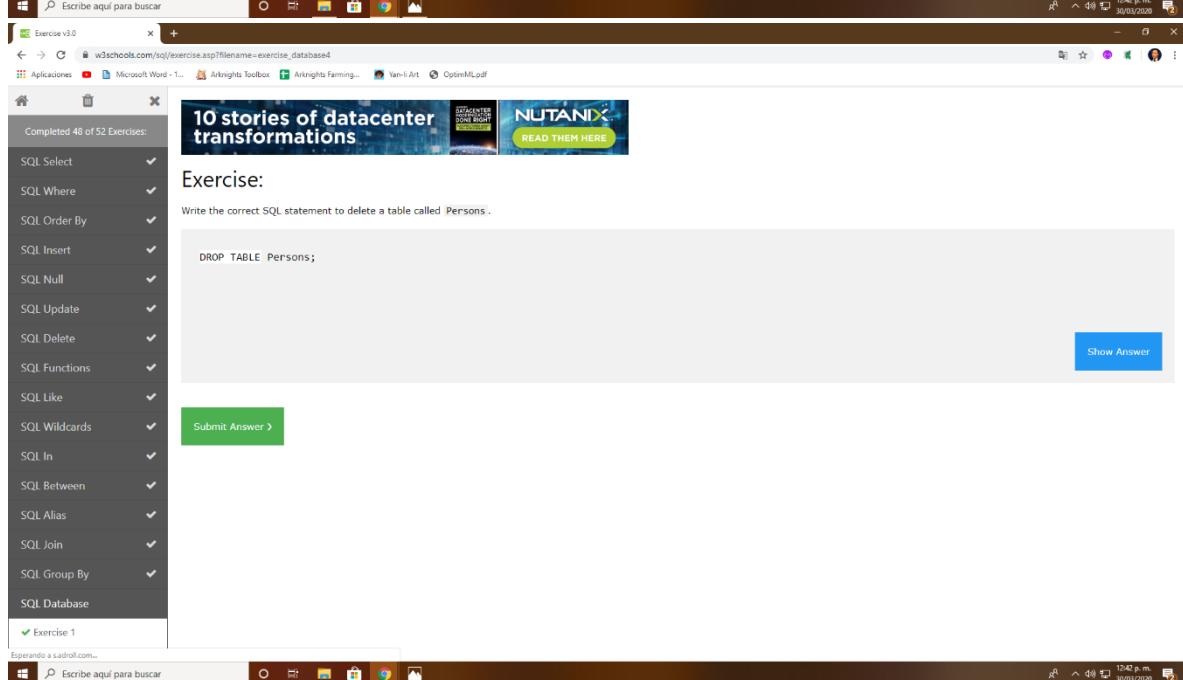
Exercise:

Write the correct SQL statement to create a new table called Persons .

```
CREATE TABLE Persons (
    PersonID int,
    LastName varchar(255),
    FirstName varchar(255),
    Address varchar(255),
    City varchar(255)
);
```

Show Answer

Submit Answer >



Exercise v3.0

w3schools.com/sql/exercise.asp?filename=exercise_database4

Completed 48 of 52 Exercises:

- SQL Select
- SQL Where
- SQL Order By
- SQL Insert
- SQL Null
- SQL Update
- SQL Delete
- SQL Functions
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Alias
- SQL Join
- SQL Group By
- SQL Database
- Exercise 1**

Esperando a saadroll.com...

10 stories of datacenter transformations NUTANIX READ THEM HERE

Exercise:

Write the correct SQL statement to delete a table called Persons .

```
DROP TABLE Persons;
```

Show Answer

Submit Answer >

Exercise v3.0

w3schools.com/sql/exercise.asp?filename=exercise_database5

Completed 49 of 52 Exercises:

- SQL Update ✓
- SQL Delete ✓
- SQL Functions ✓
- SQL Like ✓
- SQL Wildcards ✓
- SQL In ✓
- SQL Between ✓
- SQL Alias ✓
- SQL Join ✓
- SQL Group By ✓
- SQL Database
- Exercise 1 ✓
- Exercise 2 ✓
- Exercise 3 ✓
- Exercise 4 ✓
- Exercise 5**
- Exercise 6
- Exercise 7

Escríbelo aquí para buscar

iPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis* Conoce más

Exercise:

Use the TRUNCATE statement to delete all data inside a table.

```
TRUNCATE TABLE Persons;
```

Show Answer

Submit Answer >

Exercise v3.0

w3schools.com/sql/exercise.asp?filename=exercise_database6

Completed 50 of 52 Exercises:

- SQL Delete ✓
- SQL Functions ✓
- SQL Like ✓
- SQL Wildcards ✓
- SQL In ✓
- SQL Between ✓
- SQL Alias ✓
- SQL Join ✓
- SQL Group By ✓
- SQL Database
- Exercise 1 ✓
- Exercise 2 ✓
- Exercise 3 ✓
- Exercise 4 ✓
- Exercise 5 ✓
- Exercise 6**
- Exercise 7

Escríbelo aquí para buscar

iPara hacer tu idea realidad! HostGator Web Hosting 60% OFF + Dominio Gratis* Conoce más

Exercise:

Add a column of type DATE called Birthday.

```
alter table Persons ADD Birthday DATE;
```

Show Answer

Submit Answer >

The image shows a Windows desktop with two windows open, both displaying the w3schools.com/sql/exercise.asp?filename=exercise_database7 page.

The left window shows a sidebar with a list of 52 SQL exercises, each with a checkmark. "Exercise 7" is highlighted with a green background. The main area displays the following exercise:

```
Exercise:  
Delete the column Birthday from the Persons table.  
  
ALTER TABLE Persons  
DROP COLUMN Birthday;
```

Below the code, there are two buttons: "Submit Answer >" and "Show Answer".

The right window shows a "Congratulations!" message box:

Congratulations!
You have finished all 52 SQL exercises.
Share your score on facebook: [f](#)

At the bottom of the message box is a "Close" button.

The taskbar at the bottom of the screen shows several pinned icons, including Microsoft Word, Arknights Toolbox, Arknights Farming..., Vanili Art, and OptimML.pdf. The system tray indicates the date as 30/09/2020 and the time as 12:40 p.m.

QUIZ W3SCHOOL

The screenshot shows the W3Schools SQL Quiz interface. At the top, there's a navigation bar with links like Home, HTML, CSS, JavaScript, etc. A banner for 'ESTAMOS CONTIGO' (We Are With You) is displayed. The main content area is titled 'SQL Quiz' and shows 'Question 1 of 25'. The question is 'What does SQL stand for?' with three options: 'Strong Question Language' (radio button), 'Structured Query Language' (selected radio button), and 'Structured Question Language'. Below the question is a 'Next >' button and a timer showing 0:07. A sidebar on the right offers a 'Study SQL in our SQL Tutorial' and a 'W3Schools' Online Certification' section.

This screenshot shows the continuation of the SQL Quiz. It's 'Question 2 of 25'. The question is 'Which SQL statement is used to extract data from a database?' with four options: 'GET', 'OPEN', 'EXTRACT', and 'SELECT' (selected). A 'Next >' button and a timer showing 0:12 are present. The right sidebar includes a 'COLOR PICKER' and a 'HOW TO' section.

SQL Quiz

Question 3 of 25:

Which SQL statement is used to update data in a database?

SAVE

MODIFY

UPDATE

SAVE AS

Next > 0:17

Study SQL in our [SQL Tutorial](#)

COLOR PICKER

W3Schools' Online Certification

W3Schools Certified

The perfect solution for professionals who need to balance work, family, and career building.

SQL Quiz

Question 5 of 25:

Which SQL statement is used to insert new data in a database?

INSERT NEW

INSERT INTO

ADD NEW

ADD RECORD

Next > 0:27

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The WORLD'S LARGEST WEB DEVELOPER SITE

SQL Quiz

Question 6 of 25:

With SQL, how do you select a column named "FirstName" from a table named "Persons"?

SELECT FirstName FROM Persons

SELECT Persons.FirstName

EXTRACT FirstName FROM Persons

Next > 0:36

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

THE WORLD'S LARGEST WEB DEVELOPER SITE

SQL Quiz
Question 7 of 25:

With SQL, how do you select all the columns from a table named "Persons"?

SELECT Persons
 SELECT [all] FROM Persons
 SELECT *.Persons
 SELECT * FROM Persons

Next > 0:43

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

SQL Quiz
Question 8 of 25:

With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" is "Peter"?

SELECT * FROM Persons WHERE FirstName='Peter'
 SELECT [all] FROM Persons WHERE FirstName='Peter'
 SELECT [all] FROM Persons WHERE FirstName LIKE 'Peter'
 SELECT * FROM Persons WHERE FirstName<>'Peter'

Next > 0:53

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

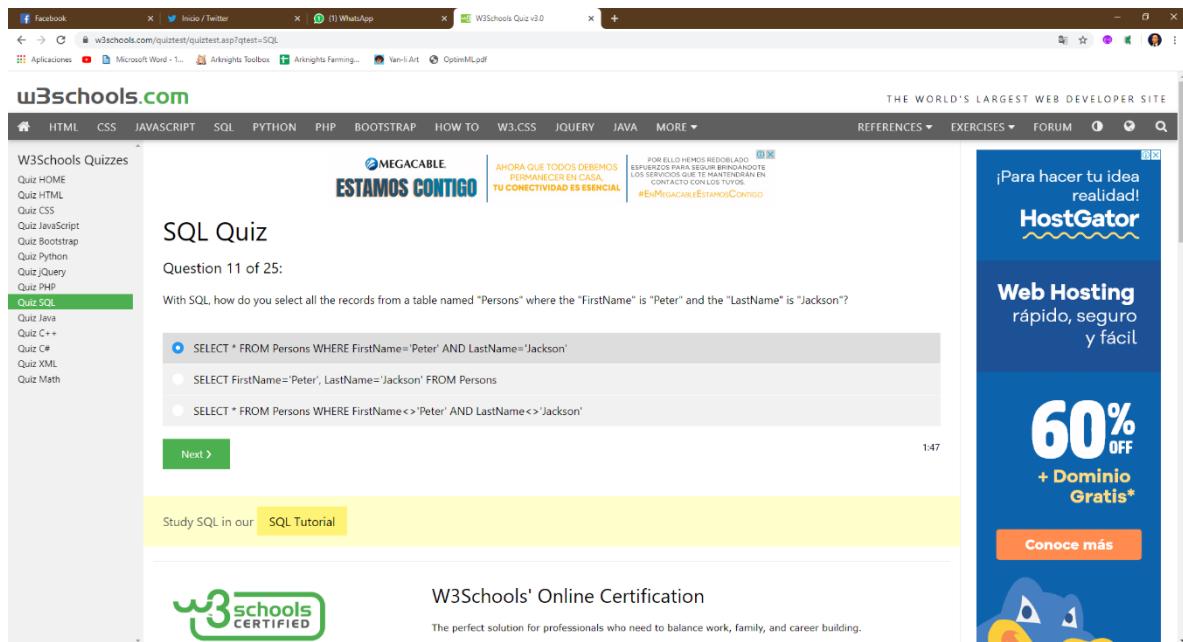
The screenshots show two separate instances of the W3Schools SQL Quiz v3.0 application running on a Windows operating system. Both instances have the same layout: a left sidebar with a navigation menu, a central question area, and a right sidebar with various links and a color picker.

Top Window (Question 9 of 25):

- Left Sidebar:** W3Schools Quizzes, Quiz HOME, Quiz HTML, Quiz CSS, Quiz JavaScript, Quiz Bootstrap, Quiz Python, Quiz jQuery, Quiz PHP, **Quiz SQL** (highlighted).
- Middle Area:** Question 9 of 25. The question asks: "With SQL, how do you select all the records from a table named 'Persons' where the value of the column 'FirstName' starts with an 'a'?".
 - SELECT * FROM Persons WHERE FirstName=%a%
 - SELECT * FROM Persons WHERE FirstName LIKE '%a'
 - SELECT * FROM Persons WHERE FirstName LIKE 'a%'
 - SELECT * FROM Persons WHERE FirstName='a'
- Right Sidebar:** COLOR PICKER, HOW TO, and other links.

Bottom Window (Question 10 of 25):

- Left Sidebar:** W3Schools Quizzes, Quiz HOME, Quiz HTML, Quiz CSS, Quiz JavaScript, Quiz Bootstrap, Quiz Python, Quiz jQuery, Quiz PHP, **Quiz SQL** (highlighted).
- Middle Area:** Question 10 of 25. The question asks: "The OR operator displays a record if ANY conditions listed are true. The AND operator displays a record if ALL of the conditions listed are true".
 - True
 - False
- Right Sidebar:** COLOR PICKER, HOW TO, and other links.



SQL Quiz

Question 11 of 25:

With SQL, how do you select all the records from a table named "Persons" where the "FirstName" is "Peter" and the "LastName" is "Jackson"?

SELECT * FROM Persons WHERE FirstName='Peter' AND LastName='Jackson'

SELECT FirstName='Peter', LastName='Jackson' FROM Persons

SELECT * FROM Persons WHERE FirstName > 'Peter' AND LastName < 'Jackson'

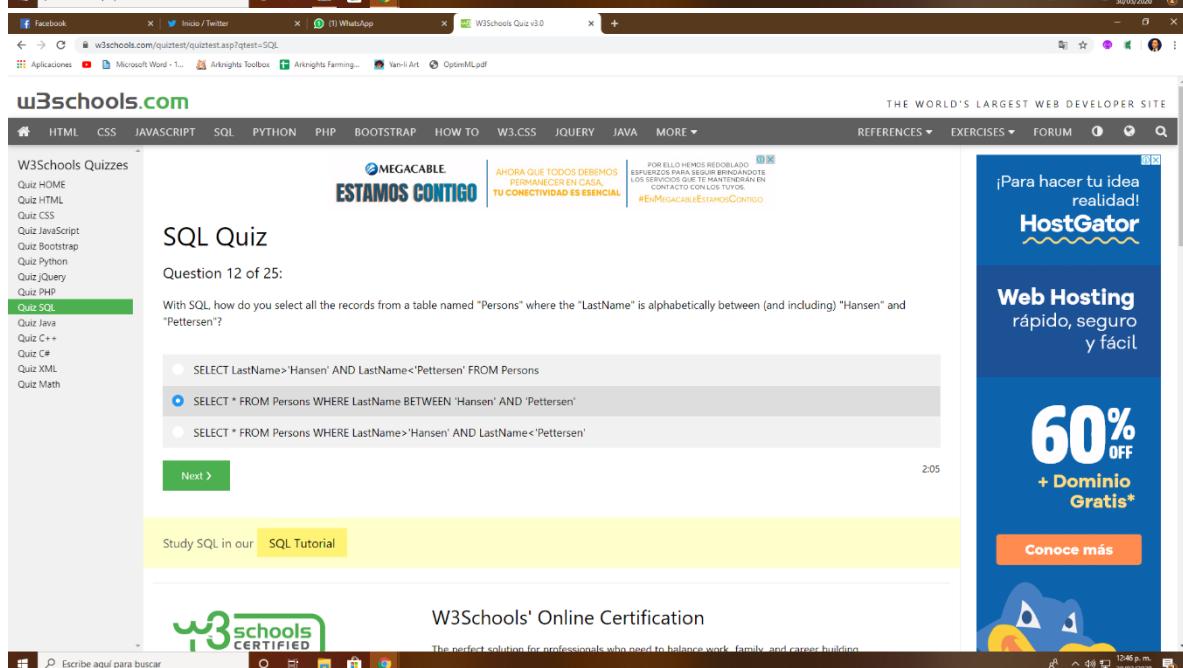
Next >

Study SQL in our [SQL Tutorial](#)

w3schools CERTIFIED

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.



SQL Quiz

Question 12 of 25:

With SQL, how do you select all the records from a table named "Persons" where the "LastName" is alphabetically between (and including) "Hansen" and "Pettersen"?

SELECT LastName > 'Hansen' AND LastName < 'Pettersen' FROM Persons

SELECT * FROM Persons WHERE LastName BETWEEN 'Hansen' AND 'Pettersen'

SELECT * FROM Persons WHERE LastName > 'Hansen' AND LastName < 'Pettersen'

Next >

Study SQL in our [SQL Tutorial](#)

w3schools CERTIFIED

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

SQL Quiz

Question 13 of 25:

Which SQL statement is used to return only different values?

SELECT UNIQUE

SELECT DIFFERENT

SELECT DISTINCT

Next > 2:10

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

ESTAMOS CONTIGO

ANORÁ QUÉ TODO DEDIMOS
PERMANECER EN CASA
TU CONECTIVIDAD ES ESPECIAL

POR ELLA HEMOS REDOBILADO
ESFUERZOS PARA SER MÁS RÁPIDO
Y FÁCIL QUE TE MANTENGAS EN
CONTACTO CON LOS TUYOS
#EnMegacableEstamosContigo

英作文800問
無料
チャレンジ

Fruitful English

書ける・話せる・
聞き取れる！解説
付き、日替わりで6問
届く英語問題800問を
無料でプレゼント

SQL Quiz

Question 14 of 25:

Which SQL keyword is used to sort the result-set?

ORDER BY

SORT

SORT BY

ORDER

Next > 2:19

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

ESTAMOS CONTIGO

ANORÁ QUÉ TODO DEDIMOS
PERMANECER EN CASA
TU CONECTIVIDAD ES ESPECIAL

POR ELLA HEMOS REDOBILADO
ESFUERZOS PARA SER MÁS RÁPIDO
Y FÁCIL QUE TE MANTENGAS EN
CONTACTO CON LOS TUYOS
#EnMegacableEstamosContigo

英作文800問
無料
チャレンジ

Fruitful English

書ける・話せる・
聞き取れる！解説
付き、日替わりで6問
届く英語問題800問を
無料でプレゼント

SQL Quiz

Question 15 of 25:

With SQL, how can you return all the records from a table named "Persons" sorted descending by "FirstName"?

SELECT * FROM Persons ORDER FirstName DESC

SELECT * FROM Persons SORT 'FirstName' DESC

SELECT * FROM Persons ORDER BY FirstName DESC

SELECT * FROM Persons SORT BY 'FirstName' DESC

Next > 2:28

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

Certificado SSL con 20% de desc.

GoDaddy

Haz que tu negocio luzca más profesional

COLOR PICKER

HOW TO

SQL Quiz

Question 17 of 25:

With SQL, how can you insert "Olsen" as the "LastName" in the "Persons" table?

INSERT ('Olsen') INTO Persons (LastName)

INSERT INTO Persons (LastName) VALUES ('Olsen')

INSERT INTO Persons ('Olsen') INTO LastName

Next > 2:49

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

Windows taskbar: Escribe aquí para buscar, Facebook, Inicio / Twitter, WhatsApp, W3Schools Quiz v3.0, Microsoft Word - 1..., Arknights Toolbox, Arknights Farming..., Vam-ii Art, OptimML.pdf

The image shows a Windows desktop with two browser windows open, both displaying the W3Schools SQL Quiz page.

Top Browser Window:

- Title Bar:** Facebook, Inicio / Twitter, WhatsApp, W3Schools Quiz v3.0
- Content:** SQL Quiz Question 19 of 25. The question asks how to delete records where "FirstName" is "Peter" from the Persons table. The correct answer, "DELETE FROM Persons WHERE FirstName = 'Peter'", is selected with a blue radio button. Other options are: "DELETE ROW FirstName='Peter' FROM Persons" and "DELETE FirstName='Peter' FROM Persons".
- Right Sidebar:** Ad for HostGator Web Hosting with a 60% discount offer.

Bottom Browser Window:

- Title Bar:** Facebook, Inicio / Twitter, WhatsApp, W3Schools Quiz v3.0
- Content:** SQL Quiz Question 20 of 25. The question asks how to return the number of records in the "Persons" table. The correct answer, "SELECT COUNT(*) FROM Persons", is selected with a blue radio button. Other options are: "SELECT LEN(*) FROM Persons", "SELECT COLUMNS(*) FROM Persons", and "SELECT NO(*) FROM Persons".
- Right Sidebar:** Ad for HostGator Web Hosting with a 60% discount offer.

SQL Quiz

Question 21 of 25:

What is the most common type of join?

INNER JOIN

JOINED

JOINED TABLE

Next >

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

SQL Quiz

Question 22 of 25:

Which operator is used to select values within a range?

BETWEEN

RANGE

WITHIN

Next >

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

The perfect solution for professionals who need to balance work, family, and career building.

The screenshot shows a Windows desktop environment with multiple open browser tabs. The main focus is a Microsoft Edge window displaying the W3Schools SQL Quiz v3.0. The quiz question is: "The NOT NULL constraint enforces a column to not accept NULL values." There are two options: "True" (selected) and "False". A "Next >" button is visible at the bottom left. To the right of the main content, there is a sidebar with a "W3Schools Certified" logo and a "W3Schools' Online Certification" section. On the far right, there is an advertisement for "英作文800問 無料 チャレンジ" (Free English Composition 800 Questions Challenge) from "Frugal English". The status bar at the bottom of the screen shows system information like battery level and date.

This screenshot shows the same Windows desktop environment and W3Schools SQL Quiz v3.0 window. The quiz question is: "Which operator is used to search for a specified pattern in a column?" The options are "FROM", "LIKE" (selected), and "GET". A "Next >" button is at the bottom left. The sidebar features the "W3Schools Certified" logo and the "W3Schools' Online Certification" section. On the right, there is an advertisement for "MEGACABLE ESTAMOS CONTIGO" (MEGACABLE WE ARE WITH YOU) with a message about connectivity during the pandemic. Below it is a large graphic for "5G OR WiFi 6". The status bar at the bottom shows system information.

SQL Quiz

Question 25 of 25:

Which SQL statement is used to create a table in a database?

CREATE DATABASE TABLE

CREATE TABLE

CREATE DATABASE TAB

CREATE DB

Next >

4:22

Study SQL in our [SQL Tutorial](#)

W3Schools' Online Certification

Result:

25 of 25

100%

You can be proud of yourself!

Time Spent
4:24

Check your answers Try Again Back to Quizzes

W3Schools CERTIFIED

The perfect solution for professionals who need to balance work, family, and career building.

More than 25 000 certificates already issued!

Get Your Certificate >

The [HTML Certificate](#) documents your knowledge of HTML.

The [CSS Certificate](#) documents your knowledge of advanced CSS.