

## Web Building

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# Web Building - Adding a Database

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(http://www.w3schools.com)

How to add a database to your web site.

JAVASCRIPT (/js/default.asp) SQL (/sql/default.asp)

## Displaying Data from Database

In a web page, you can easily display data from a database.

You can connect to an existing database, or you can create a new database.

EXAMPLES ▾ FORUM (/forum/default.asp)

## Create a New Database

In this chapter we will demonstrate how to create a new database using WebMatrix:

- Create a database
- Add data to the database

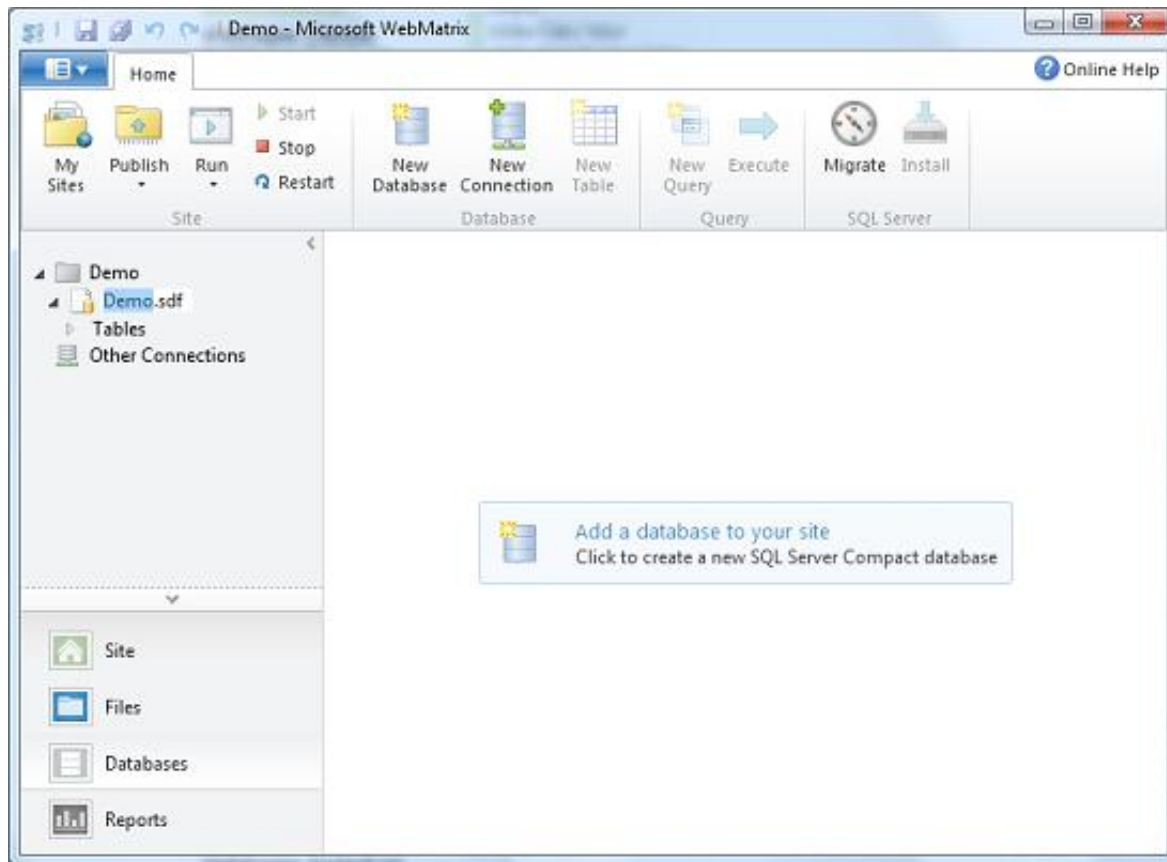
## Creating a Database

WebMatrix includes an SQL Database design tool.

Follow the instructions below to create an SQL database called "SmallBakery".

Open the Databases workspace and click **New Database** or **Add a database**.

WebMatrix will create a database with the same name as your site: "Demo.sdf":



**Rename** the database to "SmallBakery.sdf".

Click **New Table**.

Name the new table "**Product**".

In the new table, create 4 columns named "Id", "Name", "Description", and "Price".

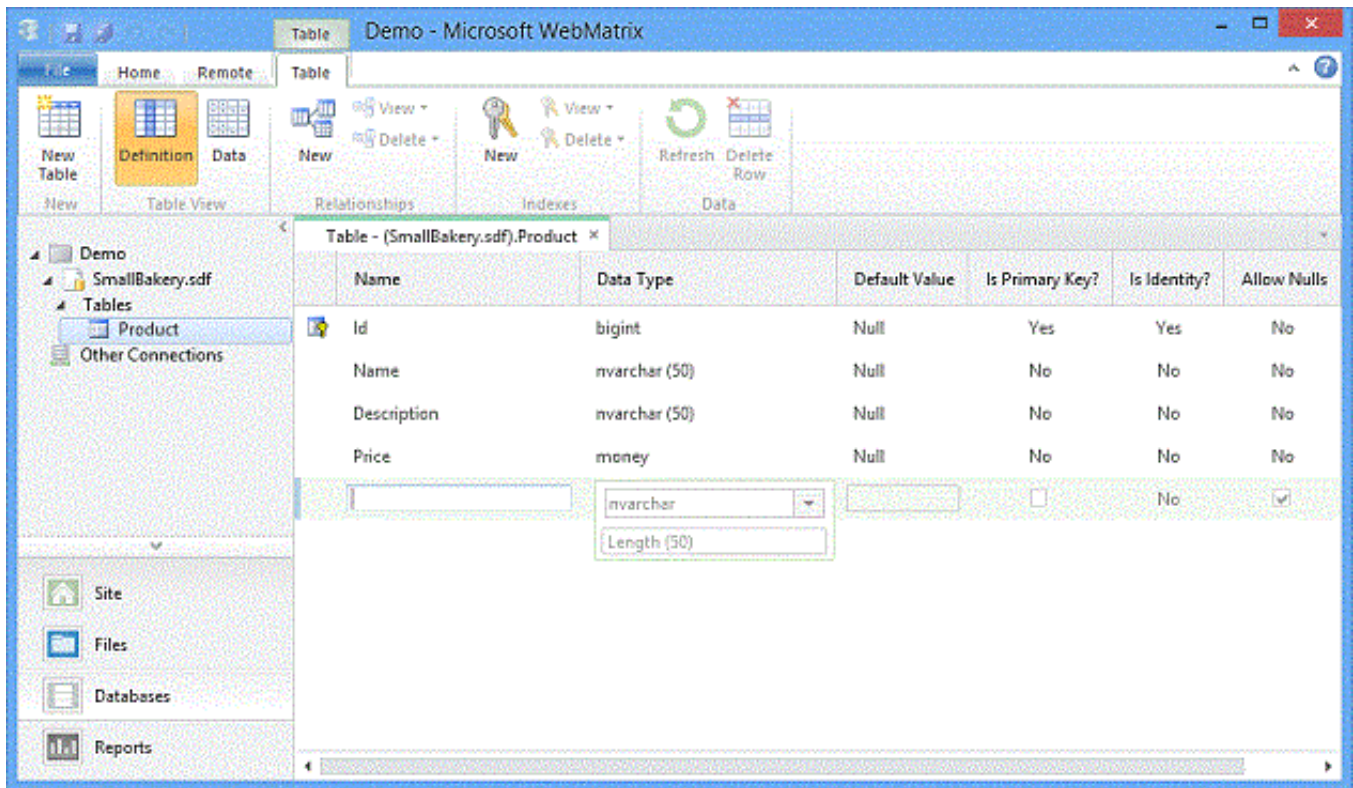
For all columns, set **Allows Null** to "No".

For the "Id" column, Set **Data Type** to "bigint", **Is Primary Key** to "Yes", and **Is Identity** to "Yes".

For the "Name" and "Description" columns, set **Data Type** to "nvarchar(50)".

For the "Price" column, set **Data Type** to "money".

When you are finished, your table design will look like this:



**Allow Nulls=No**, specifies that the column cannot be blank (empty).

**Is Primary Key?**, tells the database that this will be the table's primary key.

**Is Identity?**, tells the database to automatically assign a new Id number for every new record (starting at 1).

**Data Type=nvarchar(50)**, specifies a variable length (max 50) character string data type.

(The **n** in **nvarchar** indicates that the character variable can hold international Unicode characters)

## Adding Data to the Database

Follow the instructions below to add some data to your database:

Open the Products table (In the left pane, double-click SmallBakery.sdf, double-click Tables, and double-click Products).

Enter the following records:

Name	Description	Price
Bread	Baked fresh every day	2.99
Strawberry Cake	Made with organic strawberries	9.99
Apple Pie	Second only to your mom's pie	12.99
Pecan Pie	If you like pecans, this is for you	10.99



Lemon Pie	Made with the best lemons in the world	11.99
Cupcakes	Your kids will love these	7.99

After you have finished your input, your screen should look much like this:

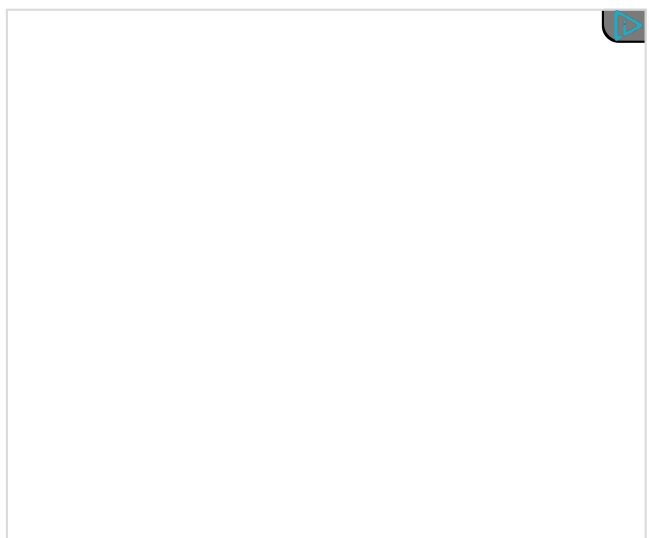
The screenshot shows the Microsoft WebMatrix interface. The 'Table' tab is active, displaying a table named 'Table - (SmallBakery.sdf).Product'. The table has four columns: Id, Name, Description, and Price. The data is as follows:

Id	Name	Description	Price
1	Bread	Baked fresh every day	2.99
2	Strawberry Cake	Made with organic strawberries	9.99
3	Apple Pie	Second only to your mom's pie	12.99
4	Pecan Pie	If you like pecans, this is for you	10.99
5	Lemon Pie	Made with the best lemons in the world	11.99
6	Cupcakes	Your kids will love these	7.99

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“We’re keeping up with explosive subscriber growth.”  
 Sam Belknap, BarkBox  
**GET THEIR STORY**  
 salesforce desk FAST, AWESOME CUSTOMER SERVICE



## WEB HOSTING

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## WEB BUILDING


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[utm\\_campaign=ma\\_w3schools.com&experiment\\_id=ma\\_w3schools.comlink1\\_templatesnr-a-d-e-w3\)](http://www.wix.com/etteamhtml/templatesnr-a-d-e-w3?utm_campaign=ma_w3schools.com&experiment_id=ma_w3schools.comlink1_templatesnr-a-d-e-w3)


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[utm\\_campaign=ma\\_w3schools.com&experiment\\_id=ma\\_w3schools.comlink2\\_freehtml5templates\\_templatesnr-a-d-e-w3\)](http://www.wix.com/etteamhtml/templatesnr-a-d-e-w3?utm_campaign=ma_w3schools.com&experiment_id=ma_w3schools.comlink2_freehtml5templates_templatesnr-a-d-e-w3)


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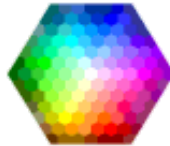
## W3SCHOOLS EXAMS

HTML, CSS, JavaScript, PHP, jQuery, XML, and ASP Certifications  
(<http://www.w3schools.com/cert/default.asp>)

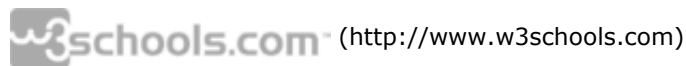
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### Color Picker



([/tags/ref\\_colorpicker.asp](/tags/ref_colorpicker.asp))



REPORT ERROR ()  
HOME (/default.asp)  
PRINT ()  
FORUM (/forum/default.asp)  
ABOUT (/about/default.asp)

Select Language | ▼

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jQuery Tutorial (/jquery/default.asp)  
Angular Tutorial (/angular/default.asp)  
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[JavaScript Reference \(/jsref/default.asp\)](/jsref/default.asp)  
[Browser Statistics \(/browsers/default.asp\)](/browsers/default.asp)  
[HTML DOM \(/jsref/dom\\_obj\\_document.asp\)](/jsref/dom_obj_document.asp)  
[XML DOM \(/dom/dom\\_nodetype.asp\)](/dom/dom_nodetype.asp)  
[PHP Reference \(/php/php\\_ref\\_array.asp\)](/php/php_ref_array.asp)  
[jQuery Reference \(/jquery/jquery\\_ref\\_selectors.asp\)](/jquery/jquery_ref_selectors.asp)  
[HTML Colors \(/tags/ref\\_colornames.asp\)](/tags/ref_colornames.asp)  
[HTML Character Sets \(/charsets/default.asp\)](/charsets/default.asp)

## Top 10 Examples

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[PHP Examples \(/php/php\\_examples.asp\)](/php/php_examples.asp)  
[jQuery Examples \(/jquery/jquery\\_examples.asp\)](/jquery/jquery_examples.asp)  
[XML Examples \(/xml/xml\\_examples.asp\)](/xml/xml_examples.asp)  
[XML DOM Examples \(/dom/dom\\_examples.asp\)](/dom/dom_examples.asp)  
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## Web Certificates

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[JavaScript Certificate \(/cert/default.asp\)](/cert/default.asp)  
[jQuery Certificate \(/cert/default.asp\)](/cert/default.asp)  
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