

localhost:7147/showproducts

localhost:7147 says
Delete Product with ProductId=1003?

OK Cancel

ProductsApp_1147129

Home Counter Fetch data Show Products Add Product View Cart

Electronics

ProductId	ProductName	Price	Stock Level	OnSale	Delete	Apply Discount		
1000	Laptop 2	770.6472	46	<input checked="" type="checkbox"/>	Delete	<input type="button" value="5%"/>	Edit	Cart
1001	Smart Watch	320.8388	80	<input type="checkbox"/>	Delete	<input type="button" value="5%"/>	Edit	Cart
1003	Watch	500.0000	50	<input checked="" type="checkbox"/>	Delete	<input type="button" value="5%"/>	Edit	Cart

47°F Sunny

10:42 AM 11/9/2022

Red annotations: A red arrow points from the word "Delete" at the bottom left towards the "Delete" link in the row for ProductId 1003. Another red arrow points from the "Delete" link in the row for ProductId 1003 towards the confirmation dialog box.

ProductsApp_1147129

About

-  Home
 -  Counter
 -  Fetch data
 -  Show Products
 -  Add Product
 -  View Cart

Show Products

Electronics ▾

ProductId	ProductName	Price	Stock Level			Apply Discount		
				OnSale	Delete			
1000	Laptop 2	770.6472	46	<input checked="" type="checkbox"/>	Delete	<input type="text" value="5%"/>	Edit	Cart
1001	Smart Watch	320.8388	80	<input type="checkbox"/>	Delete	<input type="text" value="5%"/>	Edit	Cart

Product with ProductId=1003 deleted.

~~deleted product~~

DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Products - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute Change Type

Object Explorer

Connect Databases System Databases Database Snapshots CPSC555DB ProductsBCBS_1147129 Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Categories dbo.ProductColors dbo.Products Columns Keys Constraints Triggers Indexes Statistics Views External Resources

DESKTOP-6TFN4MQ\...9 - dbo.Products DESKTOP-6TFN4MQ\...bo.ProductColors DESKTOP-6TFN4MQ\...- dbo.Categories

ProductId	Product...	Descripti...	Price	StockLevel	Categor...	OnSale	Disconti...	PColor
1000	Laptop 2	Ultra fast	770.6472	46	100	True	False	0
1001	Smart W...	Health In...	320.8388	80	100	False	True	0
1002	Golf Clubs	Titanium ...	737.1525	40	200	False	True	1
1004	Blazor De...	Web Ass...	65.7500	50	300	True	False	1
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Deleted
1003



DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Products - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute Change Type

Object Explorer

Connect DESKTOP-6TFN4MQ\SQLEXPRESS Databases System Databases Database Snapshots CPSC555DB ProductsBCBS_1147129 Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Categories dbo.ProductColors dbo.Products Columns Keys Constraints Triggers Indexes Statistics Views External Resources

DESKTOP-6TFN4MQ\...9 - dbo.Products

ProductId	Product...	Descripti...	Price	StockLevel	Categor...	OnSale	Disconti...	PColor
1000	Laptop 2	Ultra fast	770.6472	46	100	True	False	0
1001	Smart W...	Health In...	320.8388	80	100	False	True	0
1002	Golf Clubs	Titanium ...	737.1525	40	200	False	True	1
1004	Blazor De...	Web Ass...	65.7500	50	300	True	False	1
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

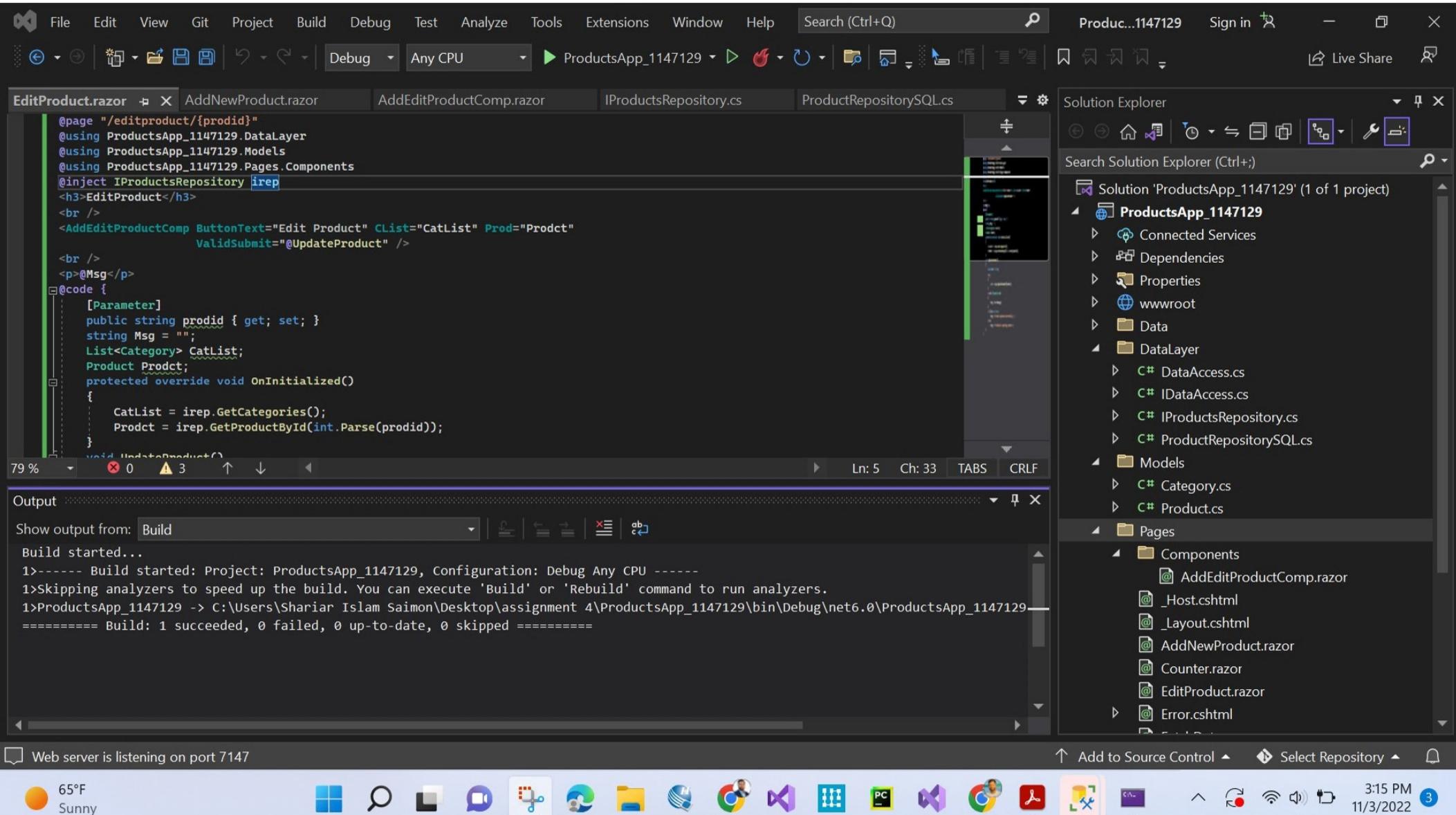
DESKTOP-6TFN4MQ\...bo.ProductColors

DESKTOP-6TFN4MQ\...- dbo.Categories

updated db by user

47°F Sunny

10:58 AM 11/9/2022



DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Products - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Project Table Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute

Object Explorer

Connect ▾

- ProductsBCBS_1147129
- Database Diagrams
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 - dbo.Categories
 - dbo.ProductColors
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Products
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security

Column Name Data Type Allow Nulls

Column Name	Data Type	Allow Nulls
ProductId	int	<input type="checkbox"/>
ProductName	varchar(50)	<input type="checkbox"/>
Description	varchar(100)	<input checked="" type="checkbox"/>
Price	money	<input type="checkbox"/>
StockLevel	int	<input type="checkbox"/>
CategoryId	int	<input type="checkbox"/>
OnSale	bit	<input type="checkbox"/>
Discontinued	bit	<input type="checkbox"/>
PColor	int	<input checked="" type="checkbox"/>

Column Properties

(General) ProductId
Allow Nulls No
Data Type int
Default Value or Binding

Table Designer Collation <database default>

(General)

DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Categories - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute

Object Explorer

- Connect
- ProductsBCBS_1147129
- Database Diagrams
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 - FileTables
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 - dbo.Categories
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 - Columns
 - Keys
 - Constraints
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 - Programmability
 - Service Broker
 - Storage
 - Security

Column Name Data Type Allow Nulls

Column Name	Data Type	Allow Nulls
CategoryId	int	<input type="checkbox"/>
CategoryName	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties

(General)
(Name) CategoryId
Allow Nulls No
Data Type int
Default Value or Binding

Table Designer
Collation <database default>

(General)

Ready

53°F Clear

11:57 PM 11/7/2022

DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.ProductColors - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute

Object Explorer

- ProductsBCBS_1147129
- Database Diagrams
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- dbo.Categories
- dbo.ProductColors
- dbo.Products
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- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- ProductsDB
- StudentDB
- Security
- Server Objects
- Replication
- PolyBase

Quick Launch (Ctrl+Q)

Column Name Data Type Allow Nulls

Column Name	Data Type	Allow Nulls
ColorId	int	<input type="checkbox"/>
ColorName	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties

(General)
(Name) ColorId
Allow Nulls No
Data Type int
Default Value or Binding

Table Designer
Collation <database default>

(General)

Ready

53°F Clear

11:59 PM 11/7/2022

DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Products - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute Change Type

Object Explorer

Connect ProductsBCBS_1147129 Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Categories dbo.ProductColors dbo.Products Views External Resources Synonyms Programmability Service Broker Storage Security ProductsDB StudentDB Security Server Objects Replication PolyBase

DESKTOP-6TFN4MQ\...9 - dbo.Products

	ProductId	ProductName	Description	Price	StockLevel	Categor...	OnSale	Discont...	PColor
▶	1000	Laptop	Ultra fast	811.2076	46	100	False	False	0
	1001	Smart Watch	Health Info	320.8388	80	100	False	True	0
	1002	Golf Clubs	Titanium Shafts	737.1525	40	200	False	True	1
	1004	Blazor Development	Web Assembly	65.7500	50	300	True	False	1
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

1 of 4

Ready

53°F Clear

12:01 AM 11/8/2022 4

DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCBS_1147129 - dbo.Categories - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

New Query MDX DMX XMLA DAX

ProductsBCBS_1147129 Execute Change Type

Object Explorer

Connect ▾

- ProductsBCBS_1147129
- Database Diagrams
- Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
- dbo.Categories
- dbo.ProductColors
- dbo.Products
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- ProductsDB
- StudentDB
- Security
- Server Objects
- Replication
- PolyBase

DESKTOP-6TFN4MQ\...bo.ProductColors

CategoryId	CategoryName
100	Electronics
200	Sports
300	Books
*	NULL

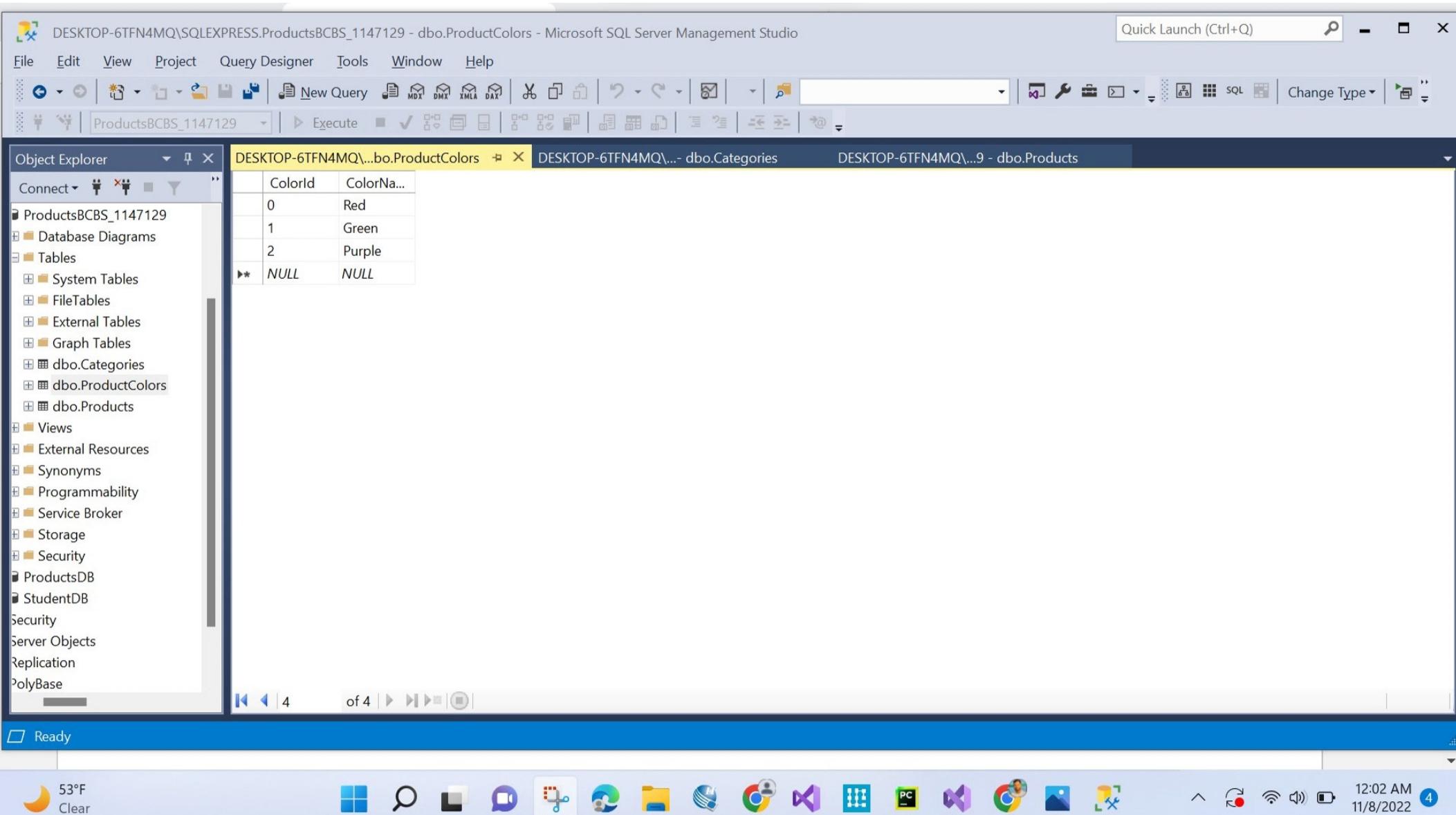
DESKTOP-6TFN4MQ\...- dbo.Categories

DESKTOP-6TFN4MQ\...9 - dbo.Products

Ready

53°F Clear

12:02 AM 11/8/2022 4



DESKTOP-6TFN4MQ\SQLEXPRESS.ProductsBCS

File Edit View Project Query Designer

ProductsBCS_1147129

Object Explorer

Connect ▾

- ProductsBCS_1147129
- Database Diagrams
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 - FileTables
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 - Graph Tables
- dbo.Categories
- dbo.ProductColors
- dbo.Products
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- ProductsDB
- StudentDB
- Security
- Server Objects
- Replication
- PolyBase

Ready

DESKTOP-6TFN4MQ\SQLEXPRESS

Connection:

View connection properties

Progress

Ready

Database Properties - ProductsBCS_1147129

Select a page

- General
- Files
- Filegroups
- Options
- Change Tracking
- Permissions
- Extended Properties
- Query Store

Script ▾

Help

Backup

Last Database Backup	None
Last Database Log Backup	None

Database

Name	ProductsBCS_1147129
Status	Normal
Owner	DESKTOP-6TFN4MQ\Shariar Islam Salmon
Date Created	11/2/2022 10:13:26 PM
Size	16.00 MB
Space Available	5.11 MB
Number of Users	4
Memory Allocated To Memory Optimized Objec	0.00 MB
Memory Used By Memory Optimized Objects	0.00 MB

Maintenance

Collation	SQL_Latin1_General_CI_AS
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Connection

Server: DESKTOP-6TFN4MQ\SQLEXPRESS

Connection: DESKTOP-6TFN4MQ\Shariar Islam Salmon

View connection properties

Progress

Ready

Name

The name of the database.

OK Cancel

53°F Clear

Quick Launch (Ctrl+Q)

SQL

Change Type

12:03 AM 11/8/2022 4

[Home](#)[Counter](#)[Fetch data](#)[Show Products](#)[Add Product](#)[View Cart](#)

Show Products

[Electronics ▾](#)

ProductId	ProductName	Price	Stock Level	OnSale	Delete	Apply Discount
1000	Laptop	811.2076	46	<input type="checkbox"/>	Delete	<input type="button" value="5%"/> Edit <input type="button" value="Cart"/>
1001	Smart Watch	320.8388	80	<input type="checkbox"/>	Delete	<input type="button" value="5%"/> Edit <input type="button" value="Cart"/>

product-1000 has been added to cart

product-1001 has been added to cart

product-1000 has been added 2 times to cart

product-1000 has been added 3 times to cart

ProductsApp_1147129

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My Shopping Cart

To remove an item, change quantity to 0

ProductName	Price	Quantity	Amount
Laptop	\$811.21	3	\$2,433.62
Smart Watch	\$320.84	1	\$320.84
Clear Cart		Total	\$2,754.46

ProductsApp_1147129

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Product Id

1000

Product Name

Laptop 2



Description

Ultra fast

Price

811.2076

Stock Level

46

 OnSale Discontinued Red Green Purple

Electronics ▾

[Edit Product](#)

Product updated successfully..

A screenshot of the Visual Studio IDE interface. The main window shows the code editor with a C# file named `EditProduct.cs`. The code contains a method `UpdateProduct()` with a line of code that triggers a red annotation. The annotation consists of two parts: a red arrow pointing from the word `UriHelper` to the method `NavigateTo`, and handwritten red text that says "to navigate to showproducts". The code editor also displays other tabs like `ProductRepositorySQL.cs`, `CartRepository.cs`, and `ICartRepository.cs`. To the right is the Solution Explorer pane, which lists project files such as `ICartRepository.cs`, `IDataAccess.cs`, `IProductsRepository.cs`, `ProductRepositorySQL.cs`, and several `Category.cs`, `Product.cs`, and `CartItem.cs` files under the `Models` and `ModelsVM` folders. Below the code editor is the Output window, which shows build logs for the project. The bottom of the screen features the Windows taskbar with various pinned icons.

```
Product = irep.GetProductById(int.Parse(prodid));  
}  
void UpdateProduct()  
{  
    bool ret = false;  
    try  
    {  
        ret = irep.UpdateProduct(Prodct);  
    }  
    catch (Exception ex)  
    {  
        Msg = ex.Message;  
    }  
    if (ret == true){  
        Msg = "Product updated successfully..";  
        UriHelper.NavigateTo($"showproducts/");  
    }  
    else  
        Msg = "Problem in updating product ";  
}
```

to navigate to showproducts

Output

Show output from: Build

Build started...
1>----- Build started: Project: ProductsApp_1147129, Configuration: Debug Any CPU -----
1>skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to run analyzers.

Ready Add to Source Control Select Repository 45°F Sunny 10:25 AM 11/9/2022

ProductsApp_1147129

About

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Show Products

Electronics ▾

ProductId	ProductName	Price	Stock Level	OnSale	Delete	Apply Discount
1000	Laptop 2	811.2076	46	<input checked="" type="checkbox"/>	Delete	5%
1001	Smart Watch	320.8388	80	<input type="checkbox"/>	Delete	5%

ProductsApp_1147129

[About](#)[Home](#)[Counter](#)[Fetch data](#)[Show Products](#)[Add Product](#)[View Cart](#)

Add New Product

Product Id

1002

Product Name

Watch

Description

Apple Watch

Price

500

Stock Level

50

 OnSale Discontinued Red Green Purple

Electronics ▾

[Add New Product](#)

ProductsApp_1147129

[About](#)[Home](#)[Counter](#)[Fetch data](#)[Show Products](#)[Add Product](#)[View Cart](#)

Add New Product

Product Id

1003

Product Name

Watch

Description

Apple Watch

Price

500

Stock Level

50

 OnSale Discontinued Red Green Purple

Electronics ▾

[Add New Product](#)

Product added successfully..



ProductsApp_1147129

About

 Home

+ Counter

Fetch data

 Show Products

 Add Product

 View Cart

Show Products

Electronics ▾

ProductId	ProductName	Price	Stock Level	OnSale	Delete	Apply Discount	Edit	Cart
1000	Laptop 2	770.6472	46	<input checked="" type="checkbox"/>	Delete	<input type="text" value="5%"/>	Edit	Cart
1001	Smart Watch	320.8388	80	<input type="checkbox"/>	Delete	<input type="text" value="5%"/>	Edit	Cart
1003	Watch	500.0000	50	<input checked="" type="checkbox"/>	Delete	<input type="text" value="5%"/>	Edit	Cart

added →