

# Sql server, .net and c# video tutorial

Free C#, .Net and Sql server video tutorial for beginners and intermediate programmers.

[Support us](#) [.Net Basics](#) [C#](#) [SQL](#) [ASP.NET](#) [ADO.NET](#) [MVC](#) [Slides](#) [C# Programs](#) [Subscribe](#) [Buy DVD](#)



تصميم هوية شركتك بالكامل -  
**01144453330**

Ad facebook.com

**Advanced Joins - Part 13**

blogspot.com

**Learn English Online  
Free**

Ad esl-lounge.com

**Stored procedures - Part  
18**

blogspot.com

**Electronic and  
Component Parts**

Ad Octopart

**Select statement - Part  
10**

blogspot.com

**Joins in sql server - Part  
12**

blogspot.com

**Cast and Conve  
functions in SQL  
Part 28**

blogspot.com

## How to get the last generated identity column value in SQL Server - Part 8

From the previous session, we understood that identity column values are auto generated. There are several ways in sql server, to retrieve the last identity value that is generated. The most common way is to use SCOPE\_IDENTITY() built in function.

Apart, from using SCOPE\_IDENTITY(), you also have @@IDENTITY and IDENT\_CURRENT('TableName') function.



How to get the last generated i...



Ads by Google

SQL Count

Ads by Google

SQL Update

SQL Identity

Select SQL



**Pragim Technologies - Best software training and placements in marathahalli, bangalore. For further details please call 09945699393.**

### Complete Tutorials

JavaScript tutorial

Bootstrap tutorial

Angular tutorial for beginners

Angular 5 Tutorial for beginners

### Important Videos

The Gift of Education

Web application for your business



### Example queries for getting the last generated identity value

```
Select SCOPE_IDENTITY()
```

```
Select @@IDENTITY
```

```
Select IDENT_CURRENT('tblPerson')
```

Let's now understand the difference between, these 3 approaches.

SCOPE\_IDENTITY() returns the last identity value that is created in the same session (Connection) and in the same scope (in the same Stored procedure, function, trigger). Let's say, I have 2 tables tblPerson1 and tblPerson2, and I have a trigger on tblPerson1 table, which will insert a record into tblPerson2 table. Now, when you insert a record into tblPerson1 table, SCOPE\_IDENTITY() returns the identity value that is generated in tblPerson1 table, whereas @@IDENTITY returns, the value that is generated in tblPerson2 table. So, @@IDENTITY returns the last identity value that is created in the same session without any consideration to the scope. IDENT\_CURRENT('tblPerson') returns the last identity value created for a specific table across any session and any scope.

#### In brief:

**SCOPE\_IDENTITY()** - returns the last identity value that is created in the same session and in the same scope.

[How to become .NET developer](#)

[Resources available to help you](#)

### Dot Net Video Tutorials

[ASP.NET Core Tutorial](#)

[Angular 6 Tutorial](#)

[Angular CRUD Tutorial](#)

[Angular CLI Tutorial](#)

[Angular 2 Tutorial](#)

[Design Patterns](#)

[SOLID Principles](#)

[ASP.NET Web API](#)

[Bootstrap](#)

[AngularJS Tutorial](#)

[jQuery Tutorial](#)

[JavaScript with ASP.NET Tutorial](#)

[JavaScript Tutorial](#)

[Charts Tutorial](#)

[LINQ](#)

[LINQ to SQL](#)

[LINQ to XML](#)

[Entity Framework](#)

**@@IDENTITY** - returns the last identity value that is created in the same session and across any scope.

**IDENT\_CURRENT('TableName')** - returns the last identity value that is created for a specific table across any session and any scope.

6 comments:



**Gaurav Dighe** December 21, 2013 at 9:01 PM

Hello,  
Can you please upload the Presentations of SQL Server. That would be really beneficial.  
Thank You

[Reply](#)

**Anonymous** March 16, 2014 at 9:15 AM

IF WE USE ANY OF THE ABOVE MENTIONED THREE FUNCTION BEFORE THE  
INSERT STATEMENT WAHT WILL BE THE O/P

thanks  
wasim.add@gmail.com

[Reply](#)



**siva d** May 18, 2014 at 9:49 AM

Hello Wasim,  
If you execute SCOPE\_IDENTITY() or @@IDENTITY for the first time in the current session before insert statement then you will get NULL.  
When it comes to IDENT\_CURRENT('TABLENAME'), the result is same if no data is inserted by any of the sessions.

[Reply](#)

**jits** April 6, 2015 at 1:46 AM

[WCF](#)

[ASP.NET Web Services](#)

[Dot Net Basics](#)

[C#](#)

[SQL Server](#)

[ADO.NET](#)

[ASP.NET](#)

[GridView](#)

[ASP.NET MVC](#)

[Visual Studio Tips and Tricks](#)

[Dot Net Interview Questions](#)

## Slides

[Entity Framework](#)

[WCF](#)

[ASP.NET Web Services](#)

[Dot Net Basics](#)

[C#](#)

[SQL Server](#)

[ADO.NET](#)

[ASP.NET](#)



Hello Sir.

When I insert record in table and get identity column that work fine. But problem is that when exception in program like(Primary Key) occurs then data not save in table but Identity column increment ? (in my program Identity column is not primary key )

[Reply](#)



**raju** July 25, 2016 at 11:56 PM

Hi Jits Look at the below code.. the answer for ur question..

When error occurs the Identity value is skipped ..

So if u don't want to skip the Identity value use the below code..

Here i have taken Email as Unique Key .. So when i insert same email id again i will get error number as 2627 for Unique key violation..

Begin Transaction

insert into tblPerson values('bobayya','hbc',2)

if(@@Error = 2627)

Begin

Declare @Id int

Set @Id = @@IDENTITY

DBCC CheckIdent('tblPerson',reseed, @Id)

end

Else

Begin

Commit Transaction

End

In the above code when error occurs ,, i m just setting the Id to current Identity value .. so when u insert the row next time the Id value is not skipped.. it will continue consecutively...

[Reply](#)



**Unknown** June 5, 2019 at 12:54 PM

I can't understand what these functions used for?  
can you please help me to understand

[Reply](#)

[GridView](#)

[ASP.NET MVC](#)

[Visual Studio Tips and Tricks](#)

## Java Video Tutorials

Part 1 : [Video](#) | [Text](#) | [Slides](#)

Part 2 : [Video](#) | [Text](#) | [Slides](#)

Part 3 : [Video](#) | [Text](#) | [Slides](#)

## Interview Questions

[C#](#)

[SQL Server](#)

[Written Test](#)

Enter your comment...



Comment as:

ahm7dkhalifa@ ▼

Sign out

Publish

Preview

☐ Notify me

If you like this website, please share with your friends on facebook and Google+ and recommend us on google using the g+1 button on the top right hand corner.

[Newer Post](#)

[Home](#)

[Older Post](#)

Subscribe to: [Post Comments \(Atom\)](#)

Powered by Blogger.