

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](#)



Digital Transformation

Ad HSBC Egypt

Advanced Joins - Part 13

blogspot.com

SQL Server Interview Questions and Answers

blogspot.com

Part 1 - How to find nth highest salary in sql

blogspot.com

Select statement - Part 10

blogspot.com

Lead and Lag functions in SQL Server 2012

blogspot.com

Default constraint in sql server - Part 4

blogspot.com

Joins in sql server 12

blogspot.com

Creating and Working with tables - Part 3

The aim of this article is to create tblPerson and tblGender tables and establish primary key and foreign key constraints. In SQL Server, tables can be created graphically using SQL Server Management Studio (SSMS) or using a query.

tblPerson				tblGender	
ID	Name	Email	GenderID	ID	Gender
1	Jade	j@j.com	2	1	Male
2	Mary	m@m.com	3	2	Female
3	Martin	ma@ma.com	1	3	Unknown
4	Rob	r@r.com	NULL		
5	May	may@may.com	2		
6	Kristy	k@k.com	NULL		

عرض - FXCM

FXCM من شراية من
\$1 عند فتح حساب تداول
إبتداء من \$50.

حساب

لأحكام * الخسائر
أموال المودعة.

FXCM
A LEUCADIA COMPANY

Ads by Google

Data MGMT

SQL Guide

Ads by Google

Oracle SQL

Database 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

Creating and working with tabl...



To create tblPerson table, graphically, using SQL Server Management Studio

1. Right click on Tables folder in Object explorer window
2. Select New Table
3. Fill Column Name, Data Type and Allow Nulls, as shown below and save the table as tblPerson.

[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](#)

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	Name	nvarchar(50)	<input type="checkbox"/>
	Email	nvarchar(50)	<input type="checkbox"/>
	GenderId	int	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

The following statement creates **tblGender** table, with **ID** and **Gender** columns. The following statement creates tblGender table, with ID and Gender columns. **ID** column, is the **primary key** column. The primary key is used to uniquely identify each row in a table. Primary key does not allow nulls.

Create Table tblGender

(ID int Not Null **Primary Key**,
Gender nvarchar(50))

In **tblPerson** table, **GenderID** is the **foreign key** referencing **ID** column in **tblGender** table. Foreign key references can be added graphically using SSMS or using a query.

To graphically add a foreign key reference

1. Right click tblPerson table and select Design
2. In the table design window, right click on GenderId column and select Relationships
3. In the Foreign Key Relationships window, click Add button
4. Now expand, in Tables and Column Specification row, by clicking the, + sign
5. Click on the elipses button, that is present in Tables and Column Specification row
6. From the Primary Key Table, dropdownlist, select tblGender
7. Click on the row below, and select ID column
8. From the column on the right hand side, select GenderId
9. Click OK and then click close.
10. Finally save the table.

To add a foreign key reference using a query

Alter table tblPerson

add constraint tblPerson_GenderId_FK **FOREIGN KEY** (GenderId) **references**

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

tblGender(ID)

The general formula is here

[Alter table ForeignKeyTable add constraint](#)

[ForeignKeyTable_ForeignKeyColumn_FK](#)

[FOREIGN KEY \(ForeignKeyColumn\) references PrimaryKeyTable \(PrimaryKeyColumn\)](#)



Digital Tran

Ad In a world of
Digital adoption

HSBC Egypt

Explore HSB

Foreign keys are used to enforce **database integrity**. In layman's terms, A **foreign key** in one table points to a **primary key** in another table. The foreign key constraint prevents invalid data from being inserted into the foreign key column. The values that you enter into the foreign key column, has to be one of the values contained in the table it points to.

26 comments:



Nanda November 20, 2013 at 6:02 PM

Hi Venkat,

You did a great work. We can see a number of videos and articles of many technology in internet .but many of them are scattered . You did it in a systematic way so that people can find it easy and read and UNDERSTAND EASY. Well Done !.

[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](#)

Maria February 7, 2014 at 4:19 AM

Hello Venkat,

I am an absolute beginner trying to learn SQL Server and together with the book I bought your videos on you tube are a great assistance for me. Great work, very well organized! Excellent! Thank you!

Reply



sudarsan pradhan May 1, 2014 at 11:15 AM

Hello Vankat,

Is it necessary that the foreign key must be the primary key of another table? Can it be a Unique Key???

Reply

Replies



Abdul May 13, 2014 at 12:34 AM

@sudarsan pradhan. foreign key always a primary key of any other table



KudosTech October 5, 2016 at 11:57 AM

foreign key is called as "foreign key" because it is the primary key in other table



Saudagar Jadhav May 17, 2017 at 3:28 AM

A foreign key must reference either a primary key or unique key column. Also foreign key value must match an existing primary key value or unique key value, or else be null.



Prashanth Thadaka September 27, 2017 at 10:06 AM

Not necessary it may be unique key also.

Reply

Rampriti Sahani February 27, 2015 at 4:12 AM

I heartally Thanks to you Sir .
You and your videos total change my life....
I got very good knowledge and confidence with this Blog and Videos.
God bless you.....

Reply



Unknown September 13, 2015 at 9:38 PM

Hi Venkat,

Thanks for such a good video.
I have one question to ask,
I create a table in sql and execute it by mistake it goes in some other database how can i
fine in which database it goes?
like in this video you create table gender and it goes to master database here you check
Available Database option, in case you create table gender and it goes to master
database or some other database and you didn't check that time and close the sql
server and after few days when you check your database and didn't find the table in

database, now how you check in which database it goes.
you are going to check manually each database?

Thanks in advance.

Reply

Replies



Naveed Alam June 29, 2016 at 11:14 AM

It is not possible that a table can go any where, when some one create any table then every one first of all check that where i am creating the table, if he does not do that then he must check all the databases one by one, because there is no other alternative solution for that



Prashanth Thadaka September 27, 2017 at 10:19 AM

```
create table #t (  
  DBName sysname not null  
)  
go  
exec sp_MSforeachdb 'use [?]; if OBJECT_ID("dbo.mytable") is not null insert  
into #t (DBName) select "?"'  
go  
select * from #t  
go  
drop table #t
```

It returns Database names, where mytable contains in it.

Reply

Anonymous April 21, 2016 at 3:49 AM

you did great job. It is simple, people can understand easily, not complicated.

Reply



Unknown December 27, 2016 at 3:34 PM

hi venkat,
you are a GEM,I am currently a Voice engineer but Now i want to learn a new technology and hence i started following you . I have just begun watching your .net videos .
your videos are so easy to understand ,the least that it can do is get a job to someone who wants to achieve their goals and behind their success is your utmost generosity of sharing these knowledgeable videos of yours.
thanks for sharing this.
Minhaj

[Reply](#)



Lora M January 23, 2017 at 9:47 AM

Thank you so much for sharing all the knowledge and information. Did you publish a book I can buy?

[Reply](#)

Anonymous February 6, 2017 at 8:26 AM

I want to develop app using .net please prepare videos there is software name xamrain through which we can develop app

[Reply](#)

Anonymous February 7, 2017 at 12:48 AM

Really it is a great work.. Fully Organized.. Getting more opportunity after studying through this video.. Very Simple and Clear Explanation.. No One can be a better alternative for learning other than these videos

[Reply](#)

Anonymous March 23, 2017 at 1:29 AM

Hi Venkat,
primary key does not allow any null values, if any column is defined as primary key

column then there is no need to define primary key on it, then why you have used not null in the create table statement?

Create Table tblGender
(ID int Not Null Primary Key,
Gender nvarchar(50))

[Reply](#)



Suresh Molabanti April 26, 2017 at 1:28 AM

it is optional

You can create a table with primary column automatically not null will be applied on that column.

If you specify not null it will override primary key

[Reply](#)



Amita Chauhan July 21, 2017 at 7:15 AM

Thank you for sharing your knowledge and yes your way of explanation is superb.

[Reply](#)



Chandana Nanayakkara October 15, 2017 at 8:14 AM

I recently started leaning SQL. By browsing youtube I found your video series. It is really nicely done and easy to follow. You are a very good man to spend your time and energy to create this wonderful video series.

[Reply](#)



cse cool stuff October 16, 2017 at 6:40 AM

thank you for your excellent explanation Mr.venkat

[Reply](#)



saketh k December 12, 2017 at 3:08 AM

I'm your biggest fan bro. You make all the concepts very clear and really love the way you explain.

[Reply](#)



Naveen kumar. Yadav February 1, 2018 at 1:47 AM

Thanks sir for all tutorial, you help lot to those who are come newly in some technology. Please provide some tutorial on big data science.

[Reply](#)



Malik Hassan Qayyum March 27, 2018 at 1:49 PM

I want to explain why a foreign key might need to be null or might need to be unique or not unique. First remember a Foreign key simply requires that the value in that field must exist first in a different table (the parent table). That is all an FK is by definition. Null by definition is not a value. Null means that we do not yet know what the value is.

Let me give you a real life example. Suppose you have a database that stores sales proposals. Suppose further that each proposal only has one sales person assigned and one client. So your proposal table would have two foreign keys, one with the client ID and one with the sales rep ID. However, at the time the record is created, a sales rep is not always assigned (because no one is free to work on it yet), so the client ID is filled in but the sales rep ID might be null. In other words, usually you need the ability to have a null FK when you may not know its value at the time the data is entered, but you do know other values in the table that need to be entered. To allow nulls in an FK generally all you have to do is allow nulls on the field that has the FK. The null value is separate from the idea of it being an FK.

[Reply](#)



seetharam November 15, 2018 at 2:48 AM

plz upload EMI calculations in stored procedures.. with #temp table

[Reply](#)



Revathi June 29, 2019 at 3:17 PM

Primary key column cannot store a null value. So I believe the not null constraint is not required for the Primary key column.

I am refering to the following create statement in this video

Create Table tblGender
(ID int Not Null Primary Key,
Gender nvarchar(50))

[Reply](#)

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.