

The background of the slide is a light gray gradient. It is decorated with several realistic water droplets of various sizes and shapes, scattered across the top and bottom edges. The droplets have highlights and shadows, giving them a three-dimensional appearance.

# VISUAL BASIC WITH DATABASE

Open <https://www.microsoft.com/en-sa/download/details.aspx?id=29062>

Choose Your Computer Type, Click Download



The screenshot shows the Microsoft website header with the logo and navigation links: Office, Windows, Surface, Xbox, and Support. Below the header is the product name "Microsoft® SQL Server® 2012 Express" accompanied by the Microsoft logo. A language selection dropdown menu is set to "English", and a prominent red "Download" button is visible. Below this, a paragraph of text describes the product as a powerful and reliable free data management system for lightweight web sites and desktop applications.

Microsoft Office Windows Surface Xbox Support

Microsoft® SQL Server® 2012 Express

Change Language: English

Microsoft® SQL Server® 2012 Express is a powerful and reliable free data management system that delivers a rich and reliable data store for lightweight Web Sites and desktop applications.

# ONCE IT IS COMPLETE IT, DOUBLE CLICK AND RUN

Choose the download you want

The screenshot shows a download page with a list of files and a security warning dialog box. The dialog box is titled "فتح ملف - تحذير أمان" (Open File - Security Warning) and asks "هل تريد تشغيل هذا الملف؟" (Do you want to run this file?).

**Download Summary:**  
KBMBGB

- Express 32BIT WoW64\SQLEXPR32\_x86\_ENU.exe

**Total Size: 149.9 MB**

**File Name**

- Express 32BIT WoW64\SQLEXPR32\_x86\_ENU.exe
- Express 32BIT\SQLEXPR\_x86\_ENU.exe
- Express 64BIT\SQLEXPR\_x64\_ENU.exe
- ExpressAdv 32BIT\SQLEXPRADV\_x86\_ENU.exe
- ExpressAdv 64BIT\SQLEXPRADV\_x64\_ENU.exe
- ExpressAndTools 32BIT\SQLEXPRWT\_x86\_ENU.exe

**Security Warning Dialog Box:**

الاسم: inistrator\Downloads\SQLEXPR32\_x86\_ENU.exe...  
الناشر: Microsoft Corporation  
النوع: التطبيق  
من: ...\_C:\Users\Administrator\Downloads\SQLEXPR32

إلغاء الأمر تشغيل

النسؤال دوماً قبل فتح هذا الملف

يفترض أن تكون الملفات التي يتم الحصول عليها من إنترنت مقيدة، إلا أن هذا النوع من الملفات قد يتسبب في إلحاق الضرر بالكمبيوتر. قم بتشغيل برامج من ناشرين موثوقين بهم. [يا هي المخاطر المحتملة؟](#)

**Next**

عرض الكل SQLEXPR32\_x86\_E....exe

# CHOOSE A DIRECTION (WHERE TO SAVE IT)

C:\Users\Administrator\Downloads\SQLEXPR32\_x86\_ENU\

<input type="checkbox"/> File Name	Size
<input checked="" type="checkbox"/> Express 32BIT WoW64\SQLEXPR32_x86_ENU.exe	
<input type="checkbox"/> Express 32BIT\SQLEXPR_x86_ENU.exe	
<input type="checkbox"/> Express 64BIT\SQLEXPR_x64_ENU.exe	
<input type="checkbox"/> ExpressAdv 32BIT\SQLEXPRADV_x86_ENU.exe	1.1 GB
<input type="checkbox"/> ExpressAdv 64BIT\SQLEXPRADV_x64_ENU.exe	1.1 GB
<input type="checkbox"/> ExpressAndTools 32BIT\SQLEXPRWT_x86_ENU.exe	840.8 MB

Choose Directory For Extracted Files

Choose Directory For Extracted Files

C:\Users\Administrator\Downloads\SQLEXPR32\_x86\_ENU\

Ok Cancel Browse...

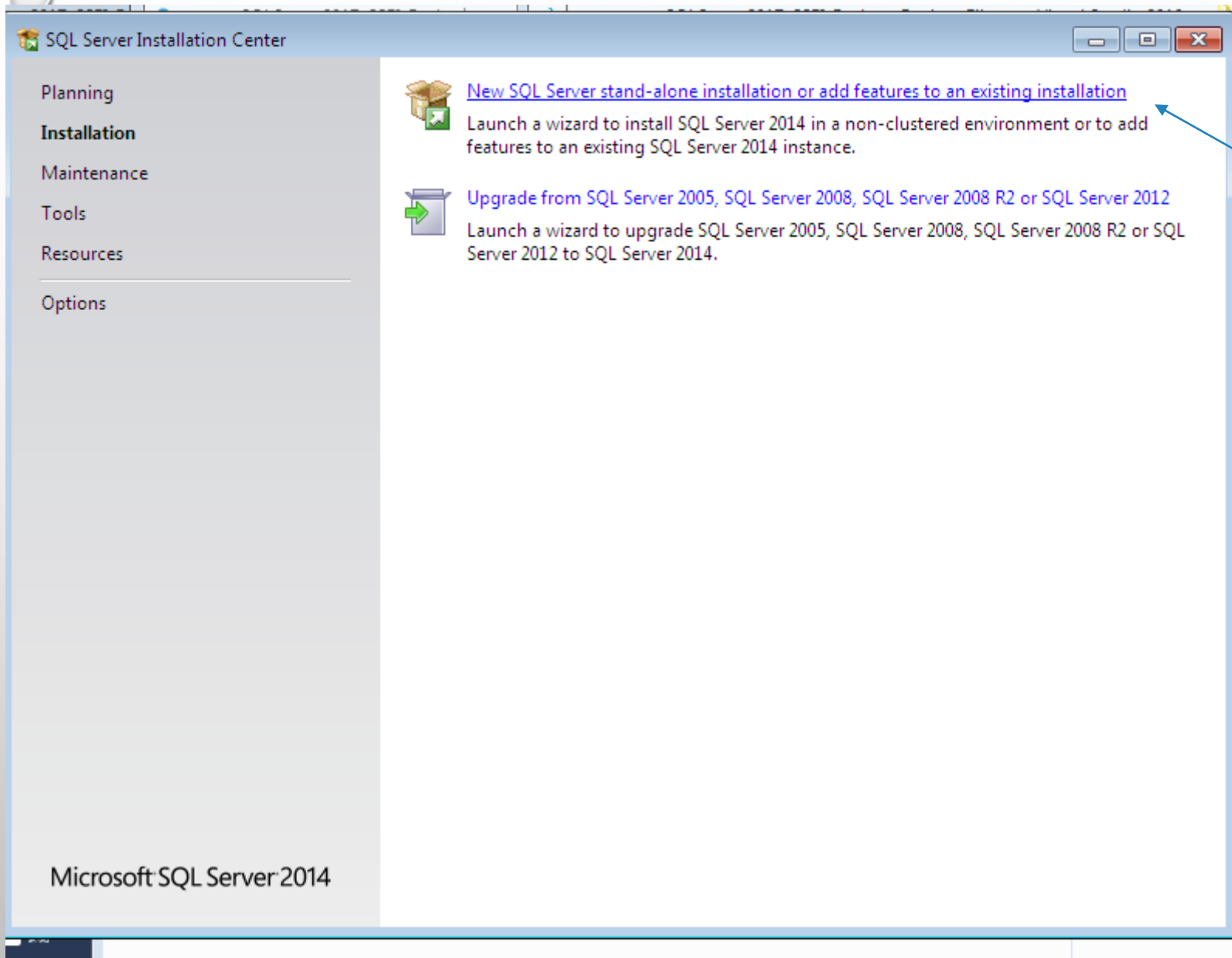
Download Summary:  
KBMBGB

- Express 32BIT  
WoW64\SQLEXPR32\_x86\_ENU.exe

---

Total Size: 149.9 MB

Next



SQL Server Installation Center

Planning

**Installation**

Maintenance

Tools

Resources

Options



[New SQL Server stand-alone installation or add features to an existing installation](#)

Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add features to an existing SQL Server 2014 instance.



[Upgrade from SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012](#)

Launch a wizard to upgrade SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 to SQL Server 2014.

Microsoft SQL Server 2014

## License Terms

To install SQL Server 2014, you must accept the Microsoft Software License Terms.

### License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Installation Progress

Complete

### MICROSOFT SOFTWARE LICENSE TERMS

#### MICROSOFT SQL SERVER 2014 EXPRESS

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,



Copy

Print

I accept the license terms.

Turn on Customer Experience Improvement Program ("CEIP") and Error Reporting to help improve the quality, reliability and performance of Microsoft SQL Server 2014.

[See the Microsoft SQL Server 2014 Privacy Statement for more information.](#)

\* Microsoft SQL Server 2014 also includes a Visual Studio component that will have CEIP settings turned off by default. If Visual Studio is installed, this component will use the CEIP settings for Visual Studio.

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Next >

Cancel

## Microsoft Update

Use Microsoft Update to check for important updates

License Terms

Global Rules

**Microsoft Update**

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Installation Progress

Complete

Microsoft Update offers security and other important updates for Windows and other Microsoft software, including SQL Server 2014. Updates are delivered using Automatic Updates, or you can visit the Microsoft Update website.

Use Microsoft Update to check for updates (recommended)

[Microsoft Update FAQ](#)

[Microsoft Update Privacy Statement](#)

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Next >

Cancel

## Feature Selection

Select the Express features to install.

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

**Feature Selection**

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Feature Configuration Rules

Installation Progress

Complete

Features:

### Instance Features

Database Engine Services

SQL Server Replication

### Shared Features

SQL Client Connectivity SDK

### Redistributable Features

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on

Prerequisites for selected features:

Already installed:

... Windows PowerShell 2.0

... Microsoft .NET Framework 3.5

Disk Space Requirements

Drive C: 979 MB required, 434116 MB available

Select All

Unselect All

Instance root directory:

C:\Program Files\Microsoft SQL Server\

Shared feature directory:

C:\Program Files\Microsoft SQL Server\

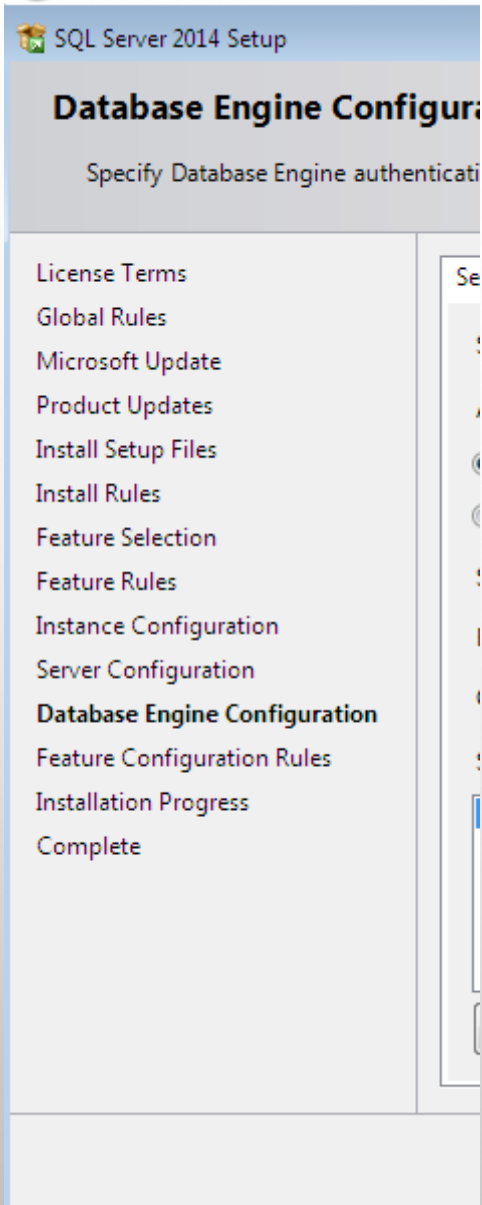
< Back

Next >

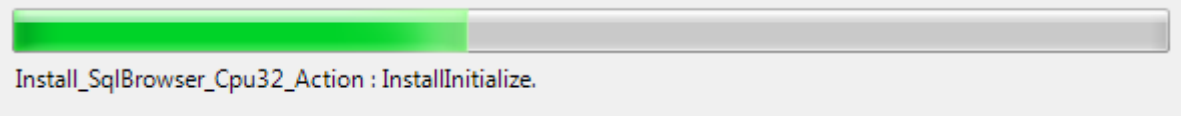
Cancel

Help





KEEP CLICKING NEXT „ NEXT..  
FOR ALL



SQL Server 2014 Setup

## Complete

Your SQL Server 2014 installation completed successfully with product updates.

License Terms  
Global Rules  
Microsoft Update  
Product Updates  
Install Setup Files  
Install Rules  
Feature Selection  
Feature Rules  
Instance Configuration  
Server Configuration  
Database Engine Configuration  
Feature Configuration Rules  
Installation Progress  
**Complete**

Information about the Setup operation or possible next steps:

Feature	Status
✓ Database Engine Services	Succeeded
✓ SQL Server Replication	Succeeded
✓ SQL Browser	Succeeded
✓ SQL Writer	Succeeded
✓ SQL Client Connectivity	Succeeded
✓ SQL Client Connectivity SDK	Succeeded

Details:

SQL Server 2014

Please wait while Microsoft SQL Server 2014 Setup processes the current operation.

Information for SQL Server have been installed to the local library. After installing, you can load documentation to the local library online for SQL Server.

[\(<http://go.microsoft.com/fwlink/?LinkID=299578>\)](http://go.microsoft.com/fwlink/?LinkID=299578).

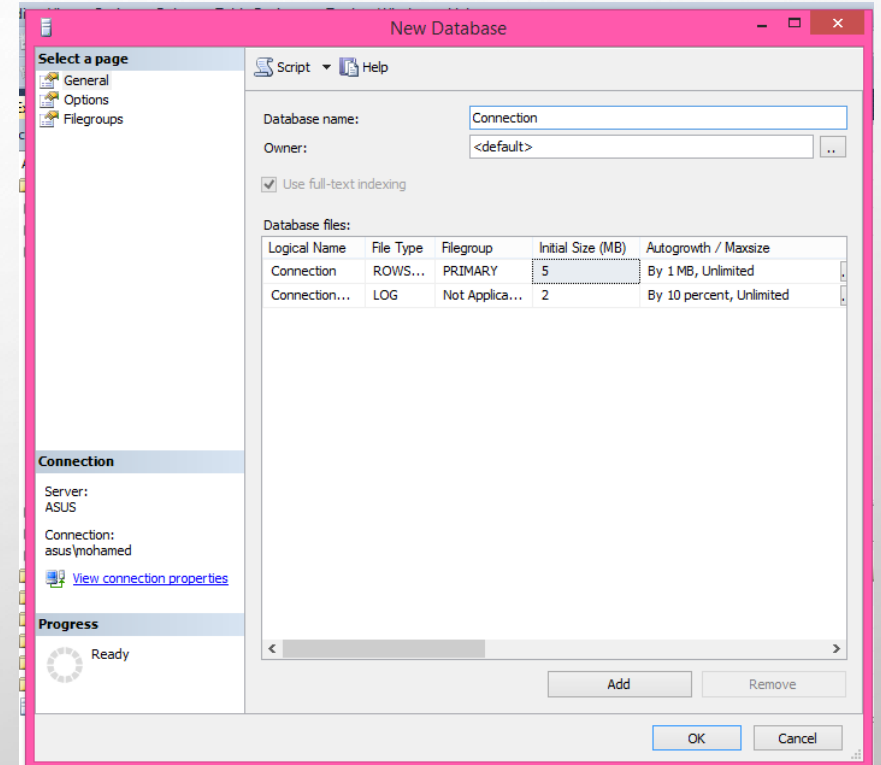
Summary log file has been saved to the following location:

[C:\Program Files\Microsoft SQL Server\120\Setup Bootstrap\Log\20181003\\_085546\\_Summary\\_CACS01L20G-03\\_20181003\\_085546.txt](C:\Program Files\Microsoft SQL Server\120\Setup Bootstrap\Log\20181003_085546_Summary_CACS01L20G-03_20181003_085546.txt)

Close Help

# STEPS:

- Open SQL
- Create New Database And Name It “Connection”
- Create Table , Add Two Columns (id integer and PK, name Varchar) save it with name “Test”.



# STEPS:

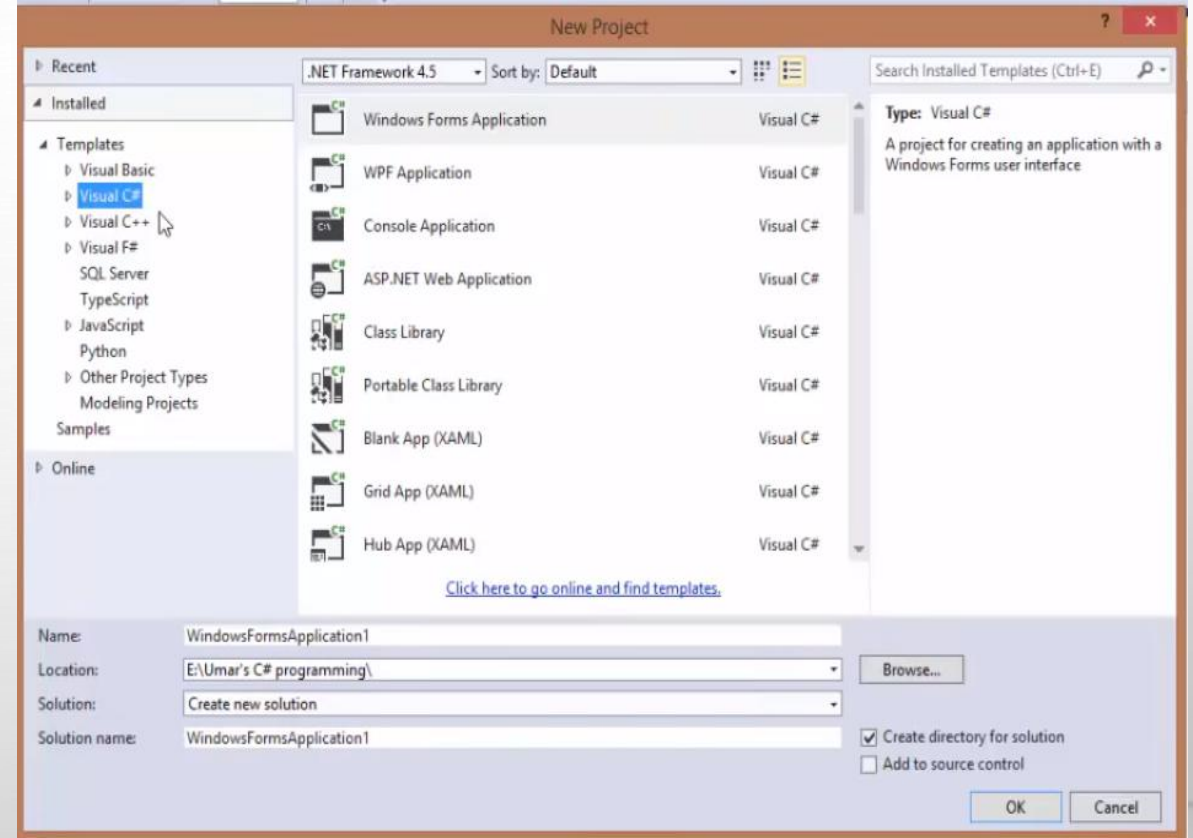
- Open Visual Studio and create new project.
- Add one tested button and tow labels refers to the database columns id and name, and 2 textboxes to show the result.

Form1

Id

Name

Test



# STEPS:

- Add using statements.

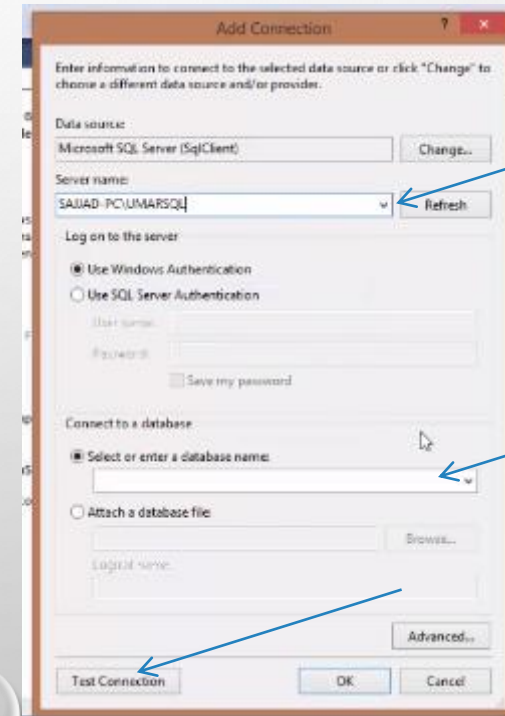
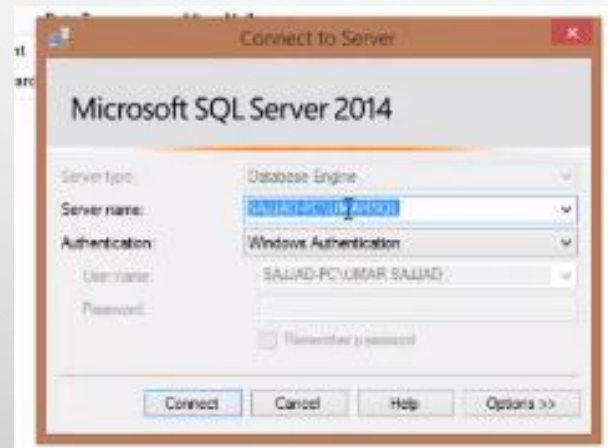
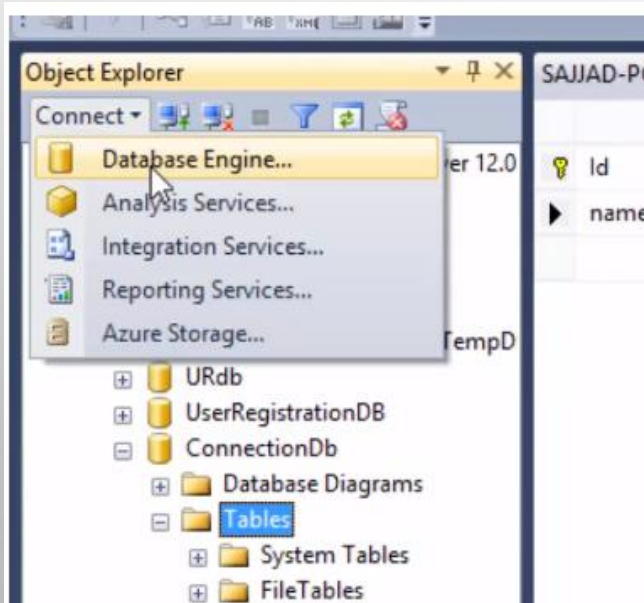
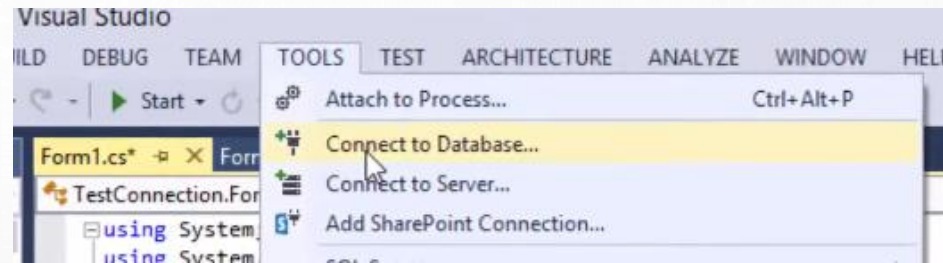
```
orm1.cs*  X Form1.cs [Design]*
TestConnection.Form1
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
```

- Write connection string above the button code.

```
public string conString = "1";
private void button1_Click(object sender, EventArgs e)
{
```

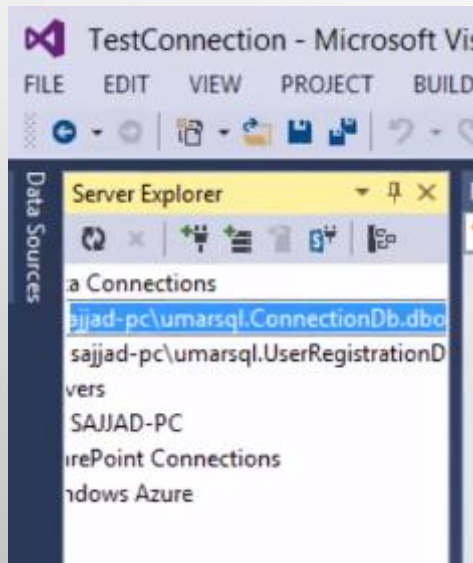
# STEPS:

- Add connection from the tools menu bar.
- Get the server name from SQL as follow:

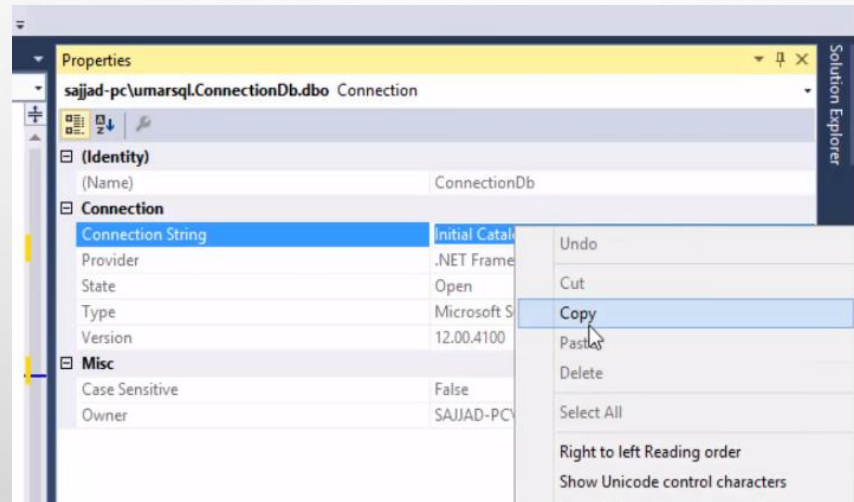


# STEPS:

- After the successful of the connection add the string following:



Double click



Copy

```
public string conString = "Data Source=SAJJAD-PC\UMARSQL;In:  
1 reference  
private void button1_Click(object sender, EventArgs e)
```

Paste and add PC\\

# STEPS:

- Now write the code:

```
public string conString = "Data Source=SAJJAD-PC\\UMARSQL;Initial Catalog=ConnectionDb;Integrated  
1 reference  
private void button1_Click(object sender, EventArgs e)  
{  
    SqlConnection con = new SqlConnection(conString);  
    con.Open();  
    if (con.State==System.Data.ConnectionState.Open)  
    {  
        string q = "insert into Test(id,name)values('"+txtID.Text.ToString()+"', '"+txtName.Text.To  
        SqlCommand cmd = new SqlCommand(q, con);  
        cmd.ExecuteNonQuery();  
        MessageBox.Show("Connection made Successfully..!");  
    }  
}
```

```
string q = "insert into Test(id,name)values('"+txtID.Text.ToString()+"', '"+txtName.tex|+'")";
```

- AppendText
- ResetText
- SelectedText



# REFERENCE

- [HTTPS://WWW.YOUTUBE.COM/WATCH?V=V9R-GP3UNCE](https://www.youtube.com/watch?v=v9r-gp3unce)