My First Web Service with API Rest in Azure

STEP 1 – WE NEW CONNECT WITH OUR DATA

- Now, we need add our data azure server
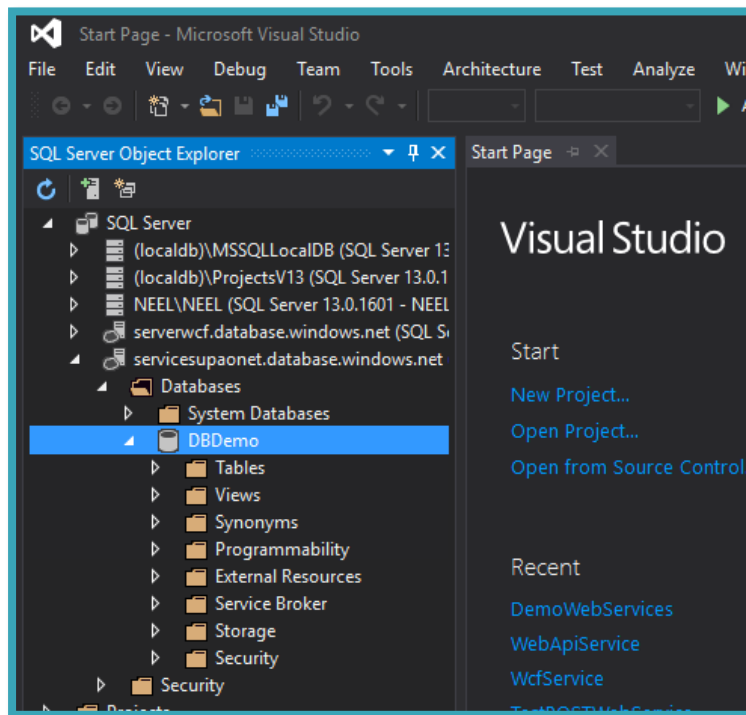
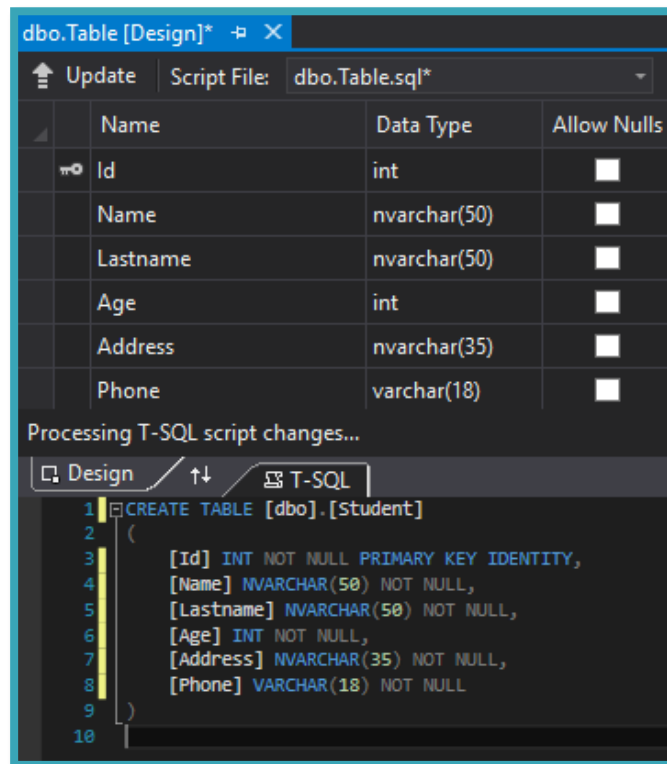**STEP 2 – WE CHECK OUR CONNECTION TO OUR DATABASE IN AZURE FROM VISUAL STUDIO**

- that's it, now we can use our azure database from visual studio
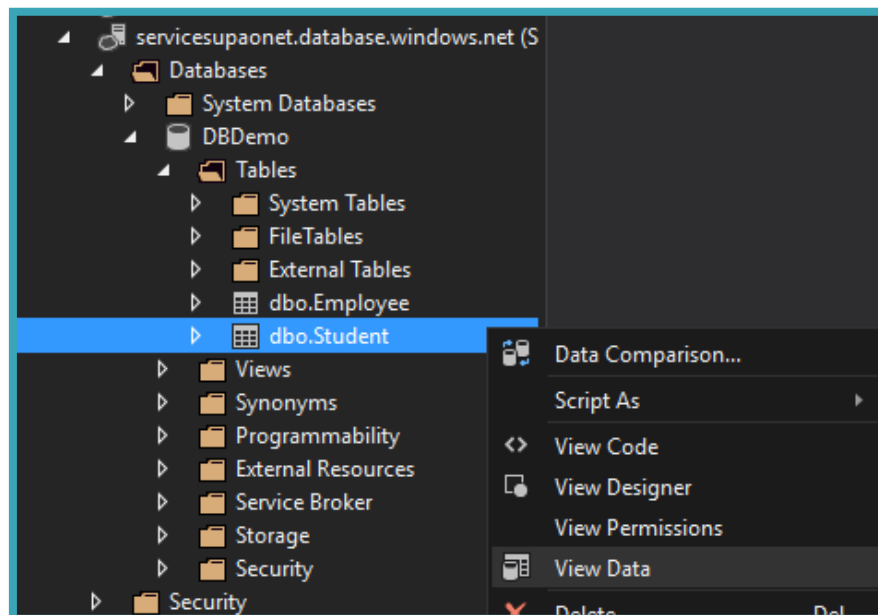- I use an azure database
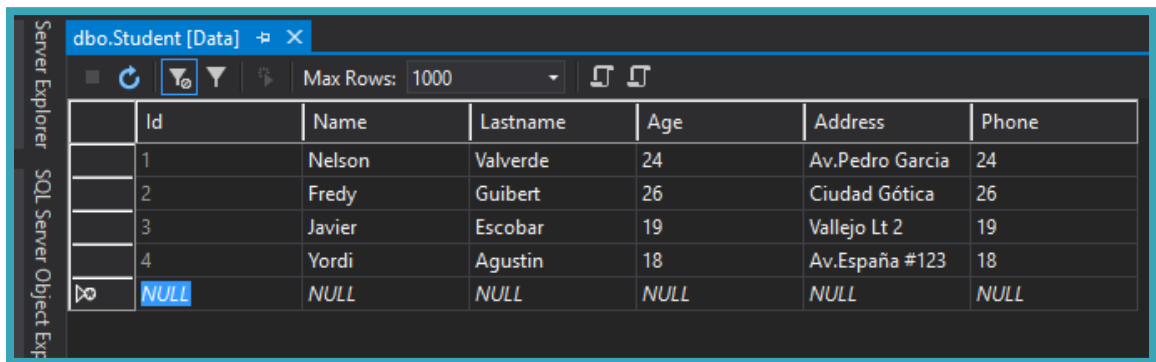

STEP 3 – WE NEED CREATE A TABLE WITHIN OF OUR DATABASE
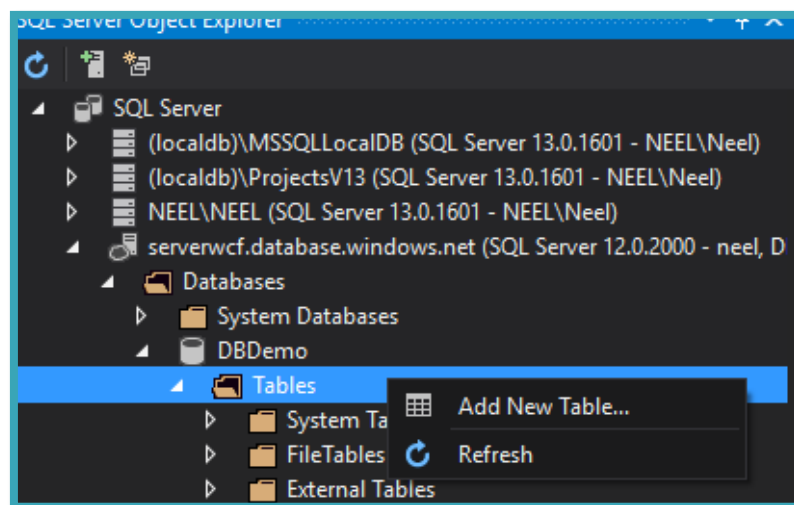
- We need create a table **Student** and update database

- Then add data in our table
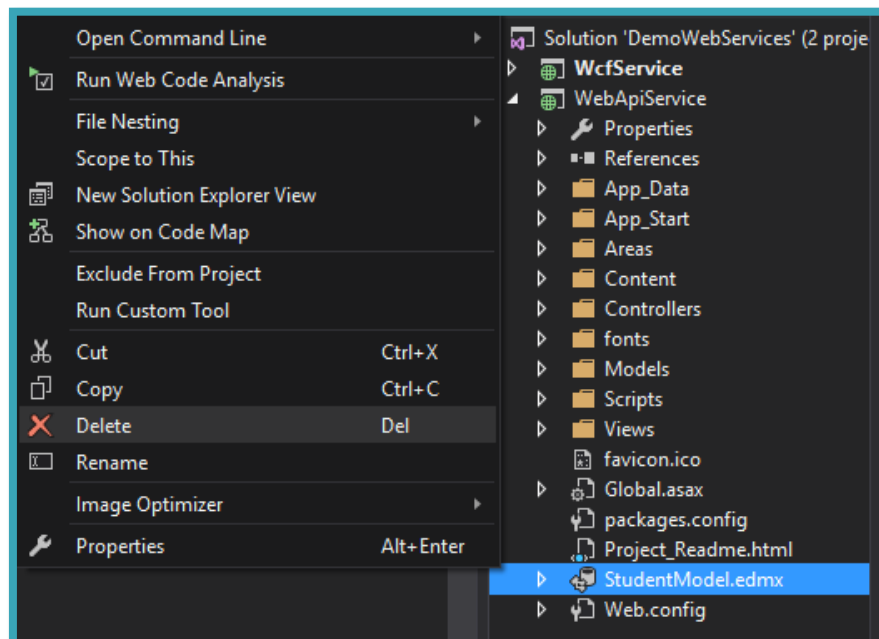
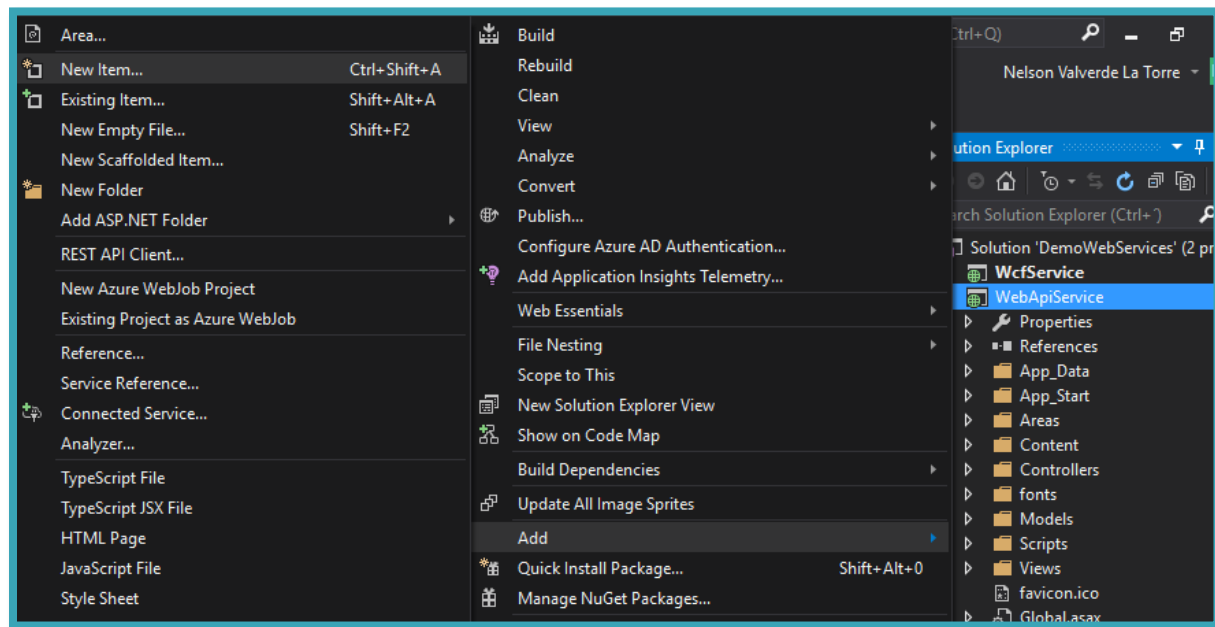- This is my table **Student** with my data

STEP 4 - WE PREPARED OUR PROJECT
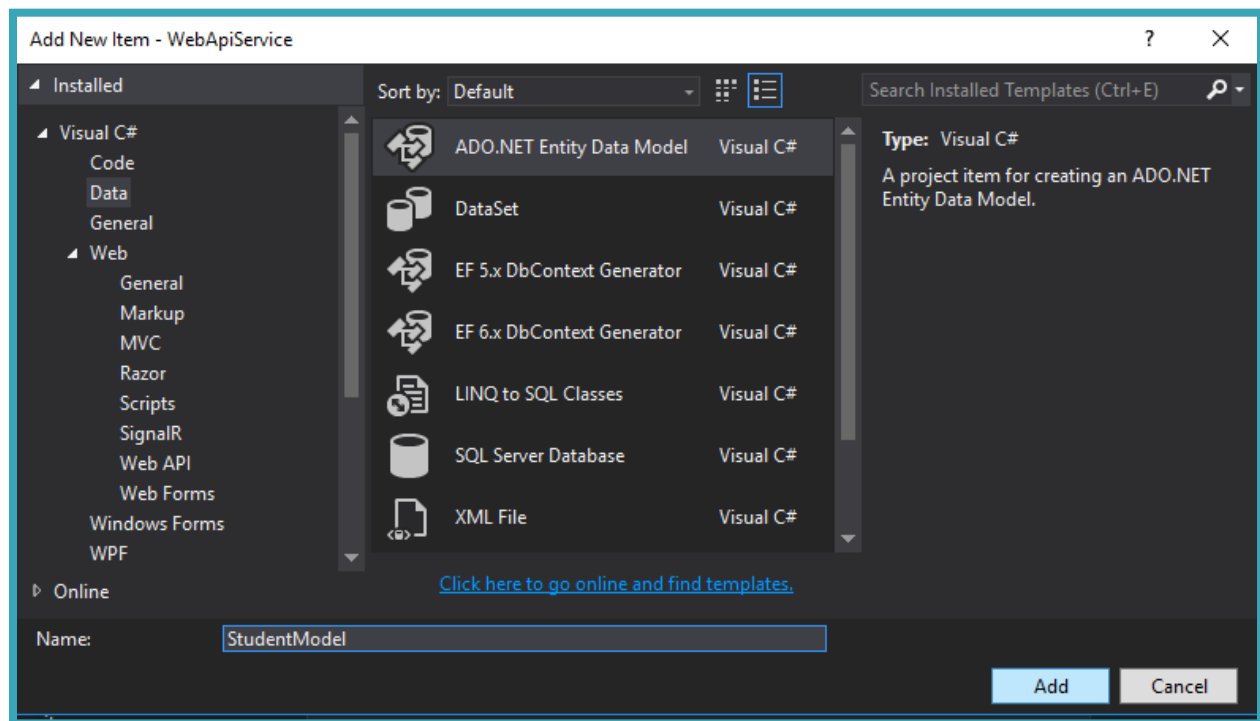
- Delete our StudentModel.edmx

This is our Local Web service of our previous project

We Add a new item

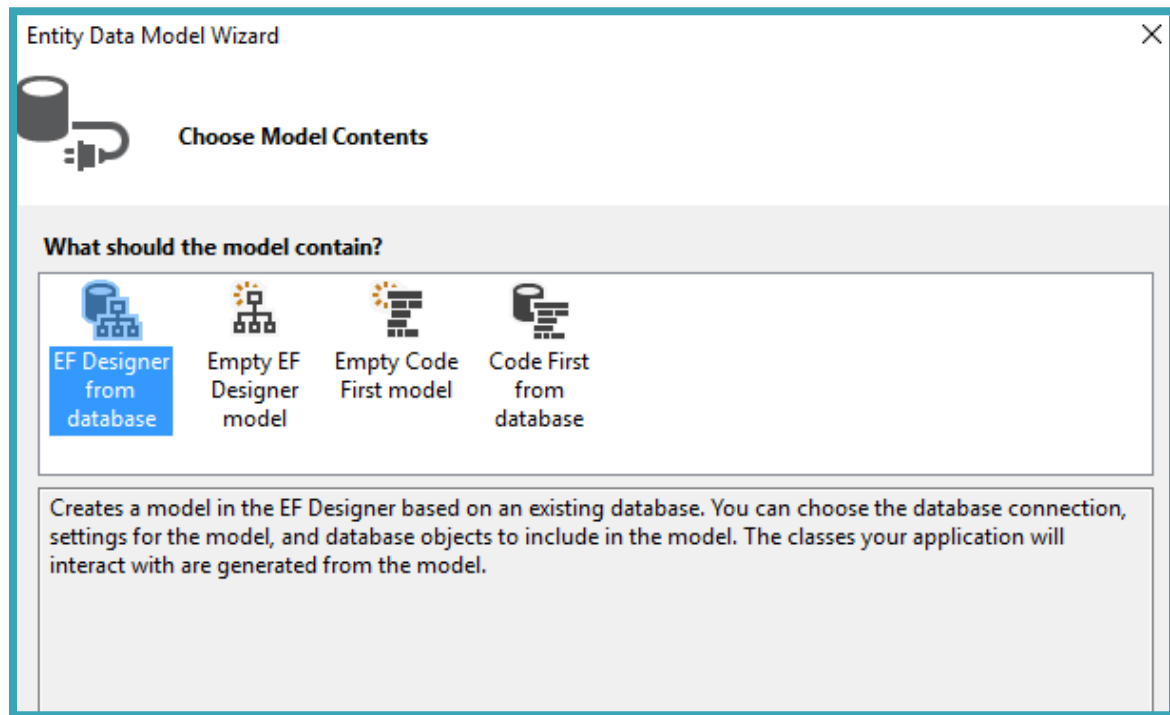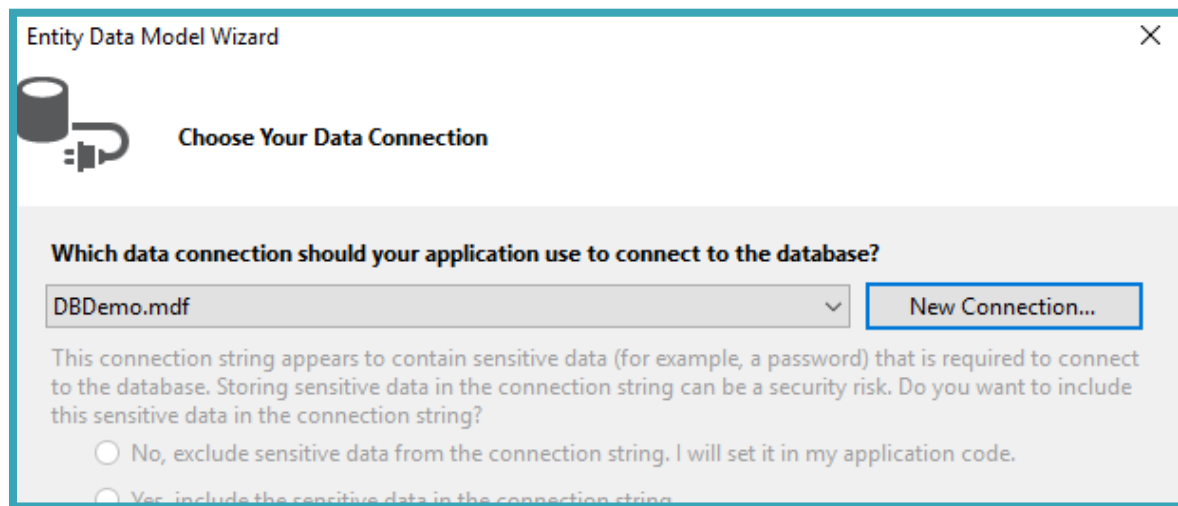Now we create our new Item → StudentModel

We select EF Designer from database and Next

Entity Data Model Wizard   ✕

Choose Model Contents

What should the model contain?

| EF Designer from database | Empty EF Designer model | Empty Code First model | Code First from database |

Creates a model in the EF Designer based on an existing database. You can choose the database connection, settings for the model, and database objects to include in the model. The classes your application will interact with are generated from the model.

We select New connection

Entity Data Model Wizard   ✕

Choose Your Data Connection

Which data connection should your application use to connect to the database?

DBDemo.mdf | New Connection...

This connection string appears to contain sensitive data (for example, a password) that is required to connect to the database. Storing sensitive data in the connection string can be a security risk. Do you want to include this sensitive data in the connection string?

○ No, exclude sensitive data from the connection string. I will set it in my application code.

○ Yes, include the sensitive data in the connection string.
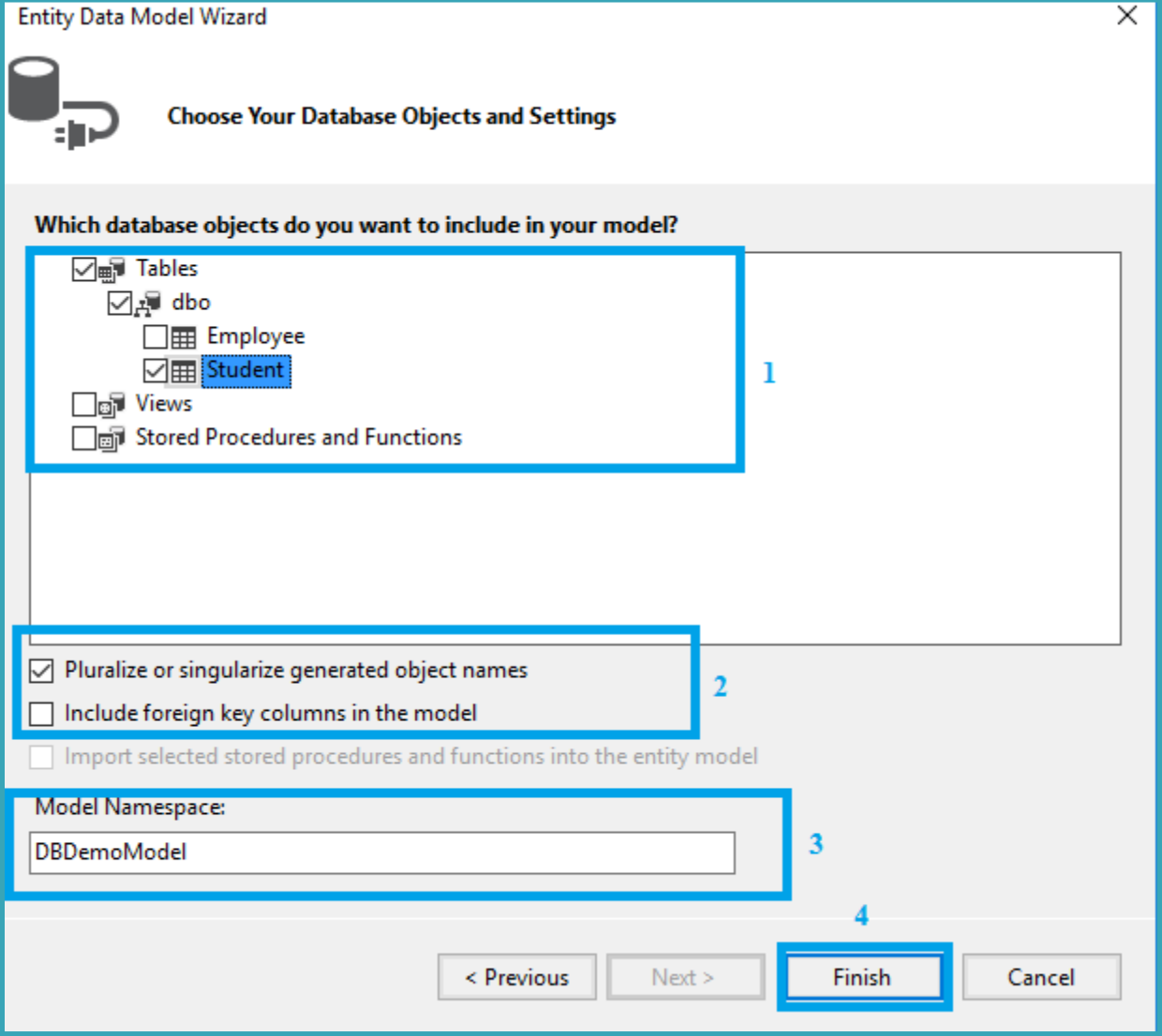
Now we add our information of azure database

IMPORTANT

Solution N° 1:

If you have this error, you need add our IP in the section of firewall of our azure database
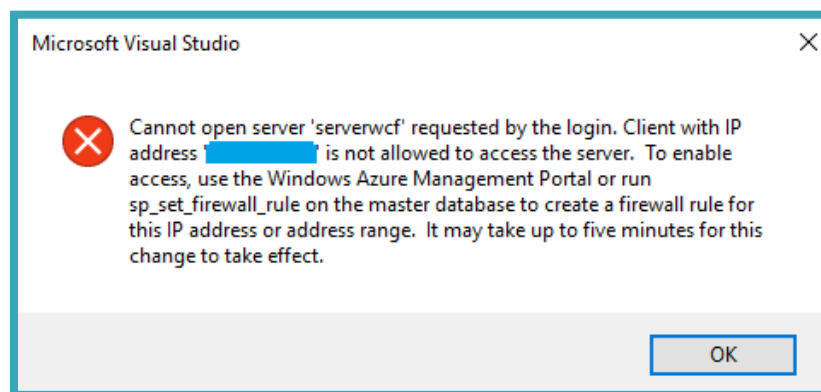
You have to do this:

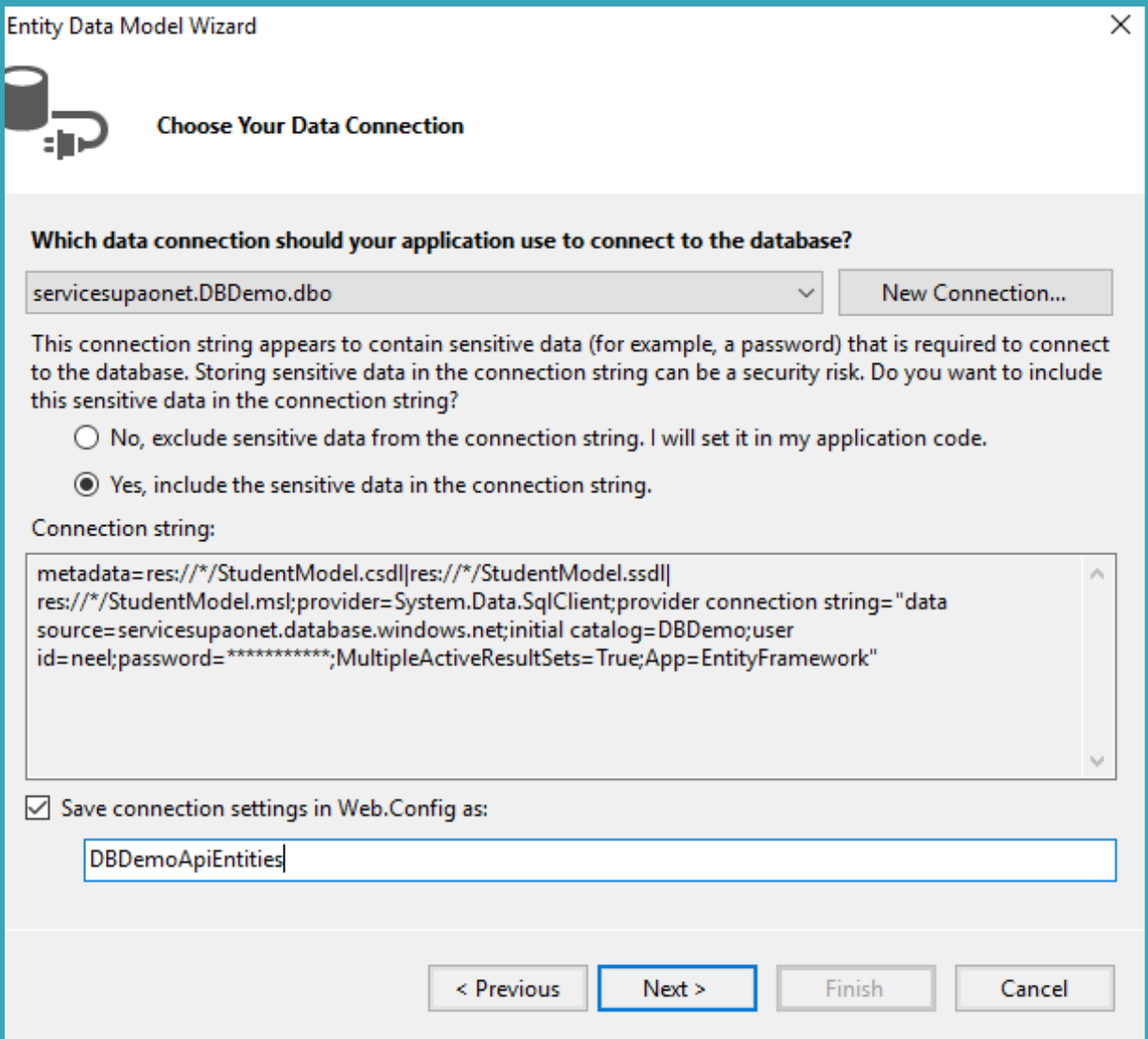Add your ip public and save or add a custom ip and Save, then Follow these steps.

Solution N° 2:

You don't know about your data connection of azure? Get in here, then copy and paste in our Connection Properties of the Page 8

We need do this:

1- this allows add a string connection in our web.config.

2 - this allows add a string connection in our web.config and allows connect our azure database.

- We need add our tables of our database
- Usually, you want entity names singular and entity set names plural.
- This is necessary specify If you have a database relational

Verify if our connection string exists in our "web.config".

```xml
<connectionStrings>
  <!--Connection String Local-->
  <!--<add name="DBDemoRestEntities" connectionString="metadata=res://*/StudentModel.csdl|res://*/StudentModel.ssdl

  <!--Connection string of Azure-->
   <add name="DBDemoApiEntities" connectionString="metadata=res://*/StudentModel.csdl|res://*/StudentModel.ssdl|res
</connectionStrings>
```

Then need get in our Service1.svc and add this new instance

```csharp
using System.Web.Script.Serialization;
using WcfService.Models;

namespace WcfService
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name
    // NOTE: In order to launch WCF Test Client for testing this service, please select Servi
    0 references
    public class Service1 : IService1
    {
        //Instance Local Database
        //DBDemoEntities db = new DBDemoEntities();

        //Instance Azure Database
        DBDemoWcfEntities db = new DBDemoWcfEntities();
```
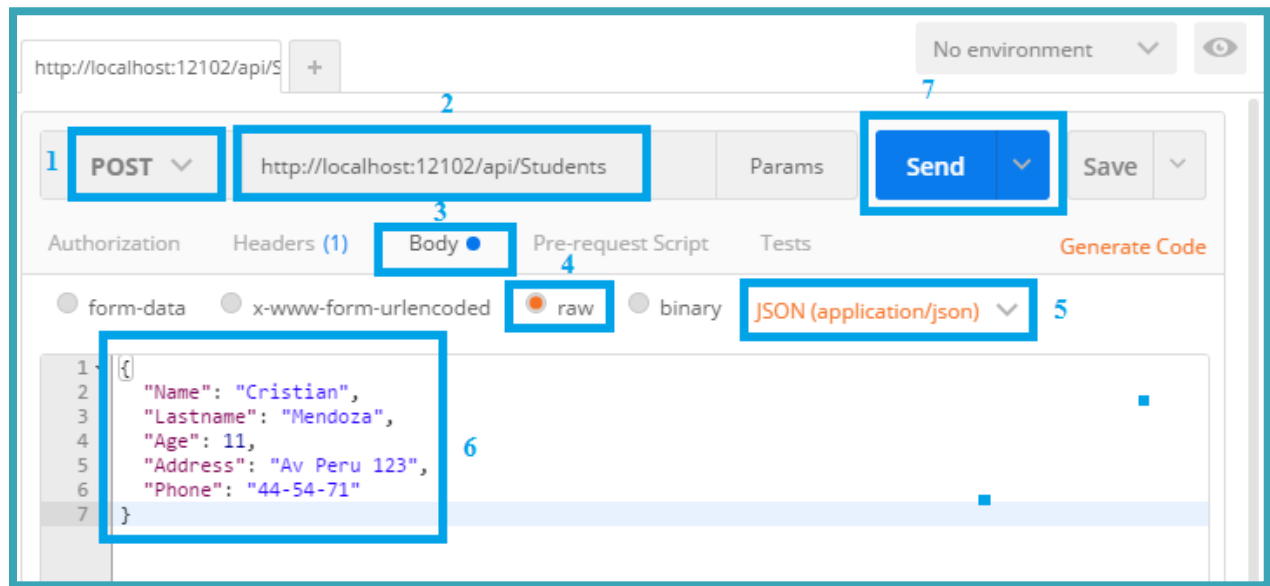
We need this isntance

TEST

We need Postman and do this

1) This is a simple test of our **List Students**

RESULT
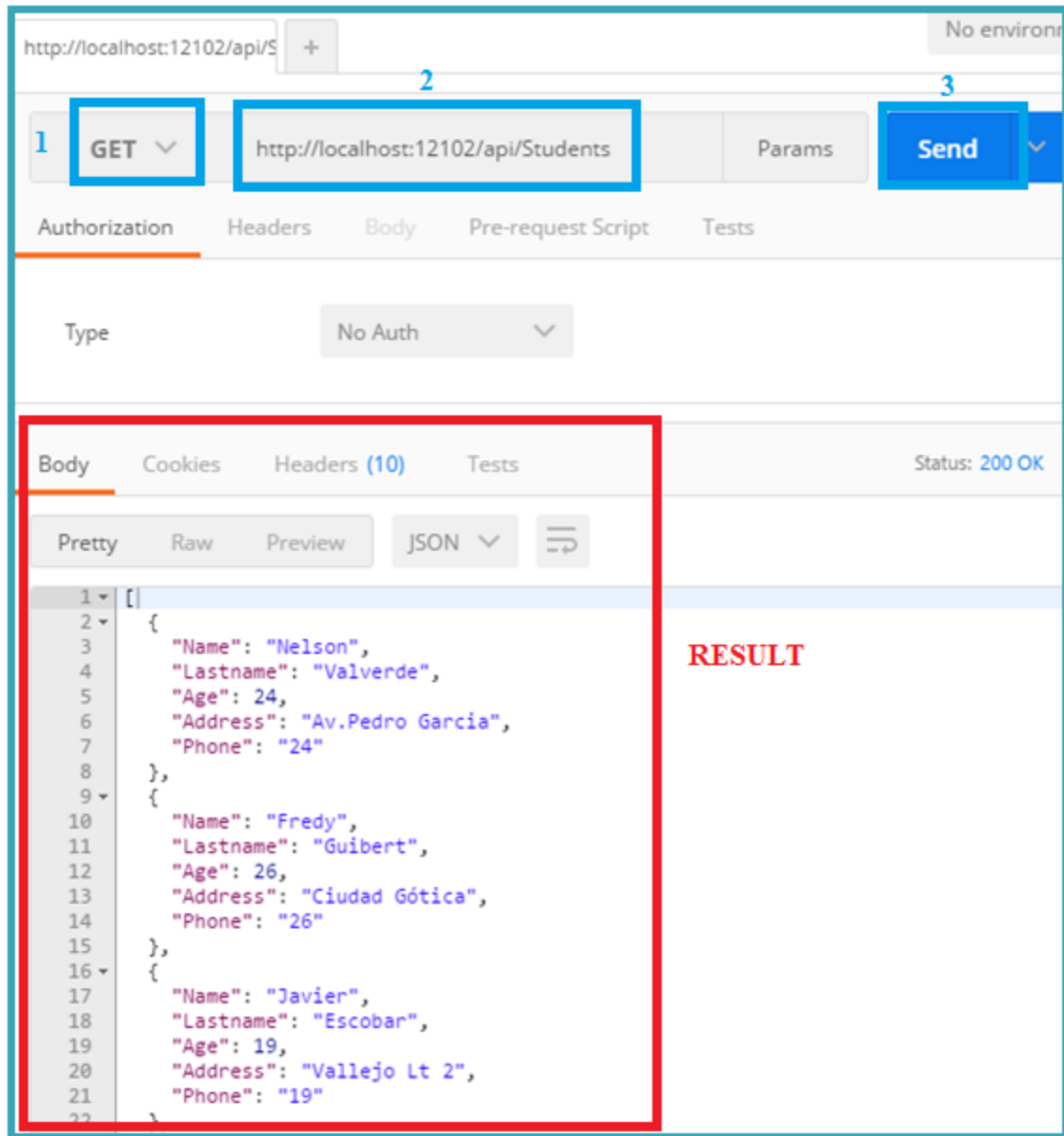
2) We create our first student in our database

3) We search a student with your id