



Universidad La Salle

Procesos de Software

Informe

ASP.Net Web Service

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ASP.Net Web Service

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1. Crear WS Soap para sumar, restar, multiplicar, dividir.
 - 1.1. Forma 1

```
[WebMethod]
public string Addition(double num1, double num2) => $"{num1 + num2}";

[WebMethod]
public string Subtraction(double num1, double num2) => $"{num1 - num2}";

[WebMethod]
public string Multiplication(double num1, double num2) => $"{num1 *
num2}";

[WebMethod]
public string Division(double num1, double num2) => num2 == 0? "Error:
Division by ZERO" : $"{num1 / num2}";
```

Calculator

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [Addition](#)
- [Division](#)
- [GetOperation](#)
- [HelloWorld](#)
- [Multiplication](#)
- [Subtraction](#)

Calclator

Click [here](#) for a complete list of operations.

Addition

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="123"/>
num2:	<input type="text" value="1"/>

Invoke

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<string xmlns="http://tempuri.org/">124</string>
```

Subtraction

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="123"/>
num2:	<input type="text" value="120"/>

Invoke

```
<string xmlns="http://tempuri.org/">3</string>
```

Multiplication

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="123.5"/>
num2:	<input type="text" value="2"/>

Invoke

```
<string xmlns="http://tempuri.org/">247</string>
```

Division

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="100"/>
num2:	<input type="text" value="3.3"/>

Invoke

```
<string xmlns="http://tempuri.org/">30.3030303030303</string>
```

Division

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="100"/>
num2:	<input type="text" value="0"/>

Invoke

```
<string xmlns="http://tempuri.org/">Error: Division by ZERO</string>
```

1.2. Forma 2

```
public enum ArithmeticOperation : ushort {
    Addition = '+',
    Subtraction = '-',
    Multiplication = '*',
    Division = '/'
}

[WebMethod]
public string GetOperation(double num1, double num2, char arithOper) {
    switch ((ArithmeticOperation)arithOper) {
        case ArithmeticOperation.Addition:
            return $"{num1 + num2}";
        case ArithmeticOperation.Subtraction:
            return $"{num1 - num2}";
        case ArithmeticOperation.Multiplication:
```

```
        return "${num1 * num2}";  
    case ArithmeticOperation.Division:  
        return num2 == 0 ? "Error: Division by ZERO" : "${num1 /  
num2}";  
    default:  
        return "Error";  
    }  
}
```

Calculator

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [Addition](#)
- [Division](#)
- [GetOperation](#)

GetOperation

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	<input type="text" value="123.5"/>
num2:	<input type="text" value="2"/>
arithOper:	<input type="text" value="/"/>

Invoke

```
<string xmlns="http://tempuri.org/">61.75</string>
```

GetOperation

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
num1:	123.5
num2:	0
arithOper:	*

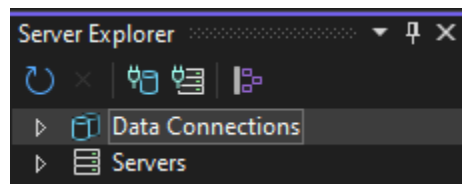
Invoke

```
<string xmlns="http://tempuri.org/">0</string>
```

2. Conexión a BD Oracle.

2.1. PankiFood (Grupal)

Luego de crear el proyecto ASP.Net, se añade una nueva conexión con clic derecho.



Se ingresan los datos y se continúa.

Add Connection ? X

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:
Oracle Database (OracleClient) Change...

Server name:
XE

Log on to the database

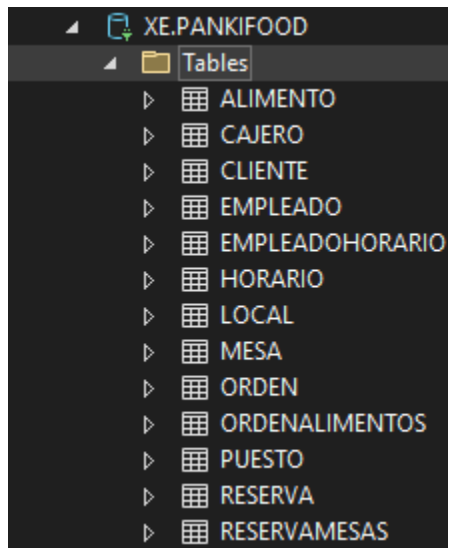
User name: PankiFood

Password: ●●●●● Save my password

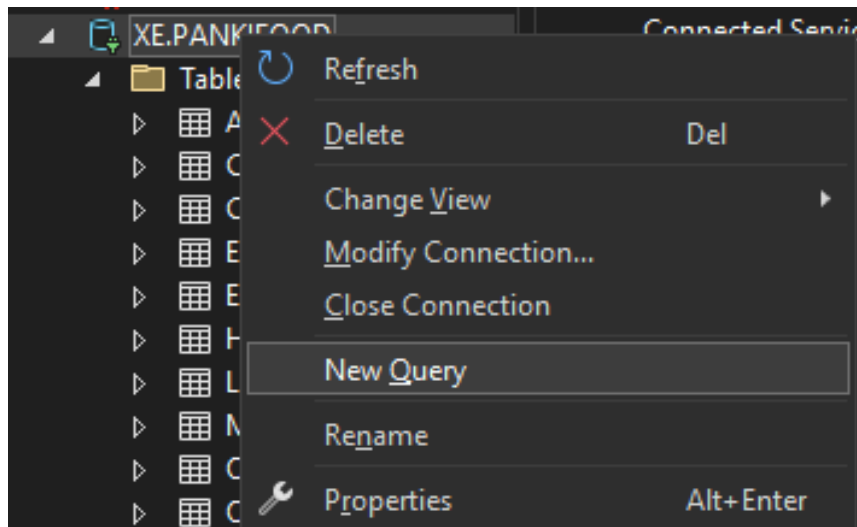
Advanced...

Test Connection OK Cancel

Luego se podrá visualizar la base de datos y sus respectivas tablas.



Se añade una nueva query con clic derecho.



Query1: Query(XE) [X]

Right-click to add tables or drag and drop tables and columns here.

	Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter	Or...	Or...
▶				<input type="checkbox"/>					
				<input type="checkbox"/>					
				<input type="checkbox"/>					
				<input type="checkbox"/>					
				<input type="checkbox"/>					
				<input type="checkbox"/>					
				<input type="checkbox"/>					

SELECT
FROM

SELECT *
FROM cliente

Se ejecuta la query.

Query1: Query(XE) [X]

CLIENTE

☐ * (All Columns)

☒ ID

☒ NOMBRE

☒ IDTELEFONO

☒ NUMEROCUENTA

	Column	Alias	Table	Outp...	Sort Type	Sort O
▶	ID		CLIENTE	<input checked="" type="checkbox"/>		
	NOMBRE		CLIENTE	<input checked="" type="checkbox"/>		
	IDTELEFONO		CLIENTE	<input checked="" type="checkbox"/>		
	NUMEROCUE...		CLIENTE	<input checked="" type="checkbox"/>		
				<input type="checkbox"/>		

```

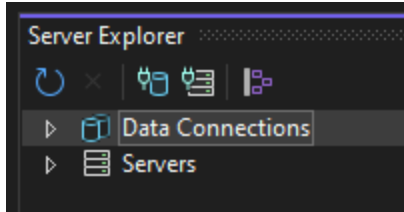
SELECT ID, NOMBRE, IDTELEFONO, NUMEROCUENTA
FROM CLIENTE

```

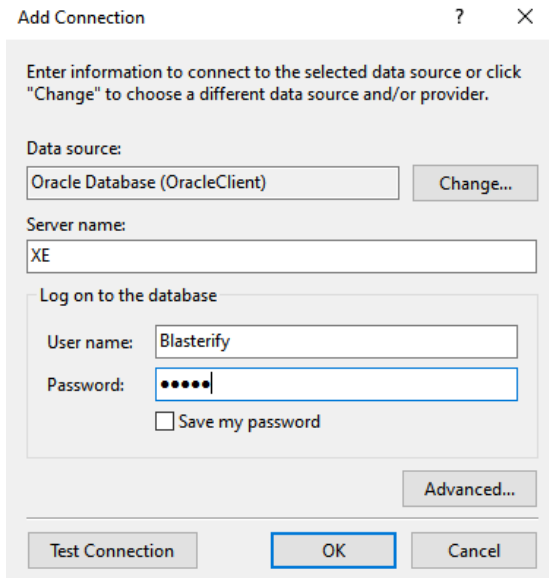
	ID	NOMBRE	IDTELEFONO	NUMEROCUE...
▶	1	Juan Lopez	1	4551386334261...
	2	Luis Garcia	2	4551386334261...
	3	Maria Perez	3	4551386334261...
	4	Pedro Mendez	4	4551386334261...
	5	Ana Ruiz	5	4551386334261...
	6	Jorge Vega	6	4551386334261...
	7	Sofia Mora	7	4551386334261...
	8	Diego Hernandez	8	4551386334261...
	9	Carolina Castro	9	4551386334261...
	10	Santiago Sanchez	10	4551386334261...
	11	Valentina Gonz...	11	4551386334261...
	12	Camilo Rodrigu...	12	4551386334261...
	13	Daniela Martinez	13	4551386334261...
	14	Andres Ramirez	14	4551386334261...

2.2. Blasterify (Individual)

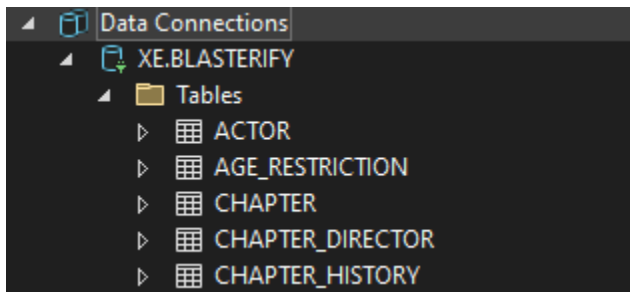
Luego de crear el proyecto ASP.Net, se añade una nueva conexión con clic derecho.



Se ingresan los datos y se continúa.



Luego se podrá visualizar la base de datos y sus respectivas tablas.



Se añade una nueva query con clic derecho.

Query2: Query(XE) [icon] [X]

	Column	Alias	Table	Outp...	Sort Type	Sort Order
▶	*			<input checked="" type="checkbox"/>		
				<input type="checkbox"/>		
				<input type="checkbox"/>		
				<input type="checkbox"/>		

SELECT *
FROM susbcription

Se ejecuta la query.

SUBSCRIPTION

☐ * (All Columns)

☒ ID

☒ NAME

☒ PRICE

☒ FEATURES

	Column	Alias	Table	Outp...	Sort Type	Sort Order	Filter
▶	ID		SUBSCRIPTION	<input checked="" type="checkbox"/>			
	NAME		SUBSCRIPTION	<input checked="" type="checkbox"/>			
	PRICE		SUBSCRIPTION	<input checked="" type="checkbox"/>			
	FEATURES		SUBSCRIPTION	<input checked="" type="checkbox"/>			

```

SELECT  ID, NAME, PRICE, FEATURES
FROM    SUBSCRIPTION

```

	ID	NAME	PRICE	FEATURES
▶	1	Free	0	Movies, limited series and with adv...
	2	Basic	9.99	Unlimited movies, series and witho...
	3	Standard	14.99	Unlimited movies, series and witho...
	4	Premium	19.99	Unlimited movies, series and witho...
*	NULL	NULL	NULL	NULL