

# Diplomatura en Bases de Datos

Módulo 2 - Unidad 2





## Agenda

- ¿Cómo instalamos?
- ¿Qué herramientas tenemos?
- Creamos una DB
- Creamos dos tablas
- Cargamos datos
- Hacemos un join
- Creamos un índice
- Creamos un procedimiento almacenado

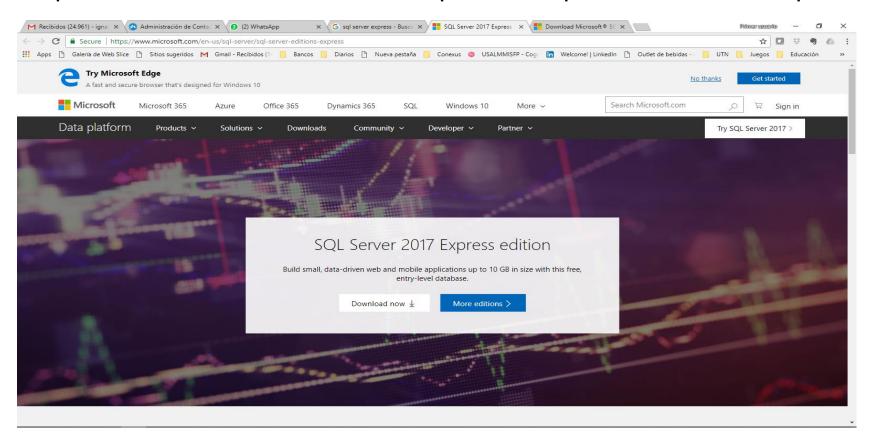


## Descarga de archivos



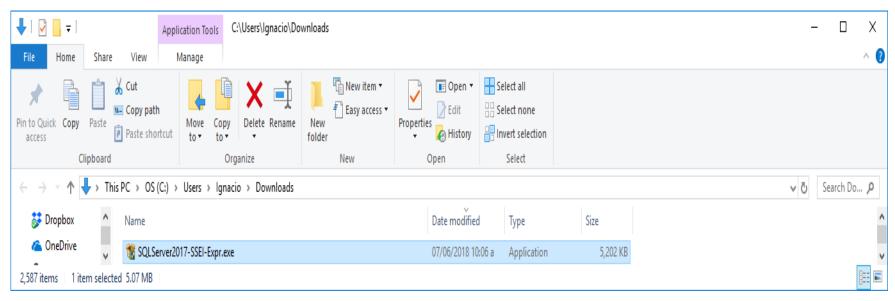
## Descarga de archivos

https://www.microsoft.com/en-us/sql-server/sql-server-editions-express





## ¿Qué me descargo?



Features	SQL Server 2017 Enterprise	SQL Server 2017 Standard	SQL Server 2017 Express	SQL Server 2017 Developer
Maximum number of cores	Unlimited	24 cores	4 cores	Unlimited
Memory: Maximum buffer pool size per instance	Operating system max	128 GB	1410 MB	Operating system max
Memory: Maximum Columnstore segment cache per instance	Operating system max	32 GB	352 MB	Operating system max
Memory: Maximum memory- optimized data per database	Operating system max	32 GB	352 MB	Operating system max
Maximum database size	524 PB	524 PB	10 GB	524 PB
Production use rights			•	0



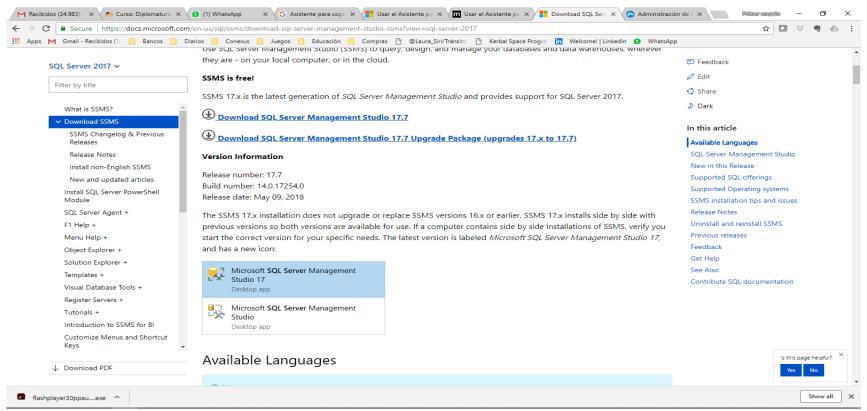
## **Prerequisitos**

- NTFS (Fat32 está soportado)
- .Net 4.6.1
- 6 Gb disco
- Monitor 800 x 600
- 512 Mb RAM!
- 1.4 GHz procesador x64
- Windows 8 a 10 con actualizaciones



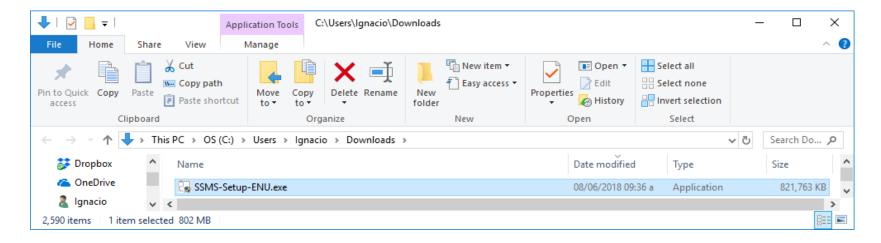
#### Herramientas

https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017



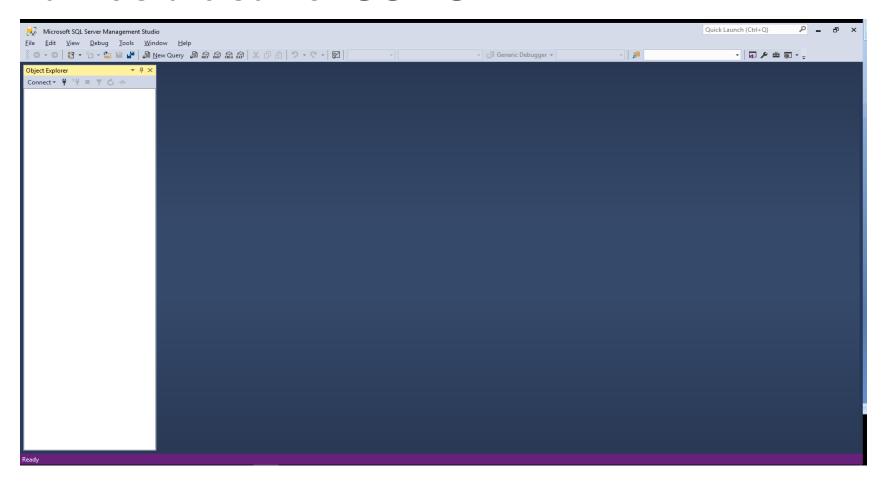


## ¿ Qué nos bajamos?



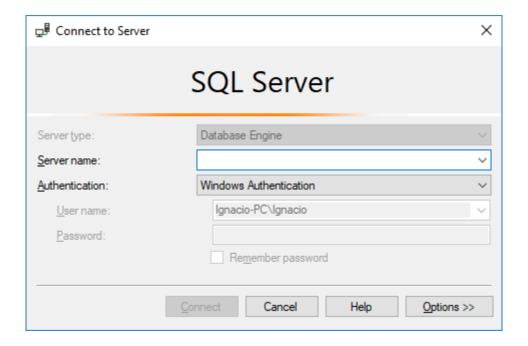


#### Vamos a usar el SSMS



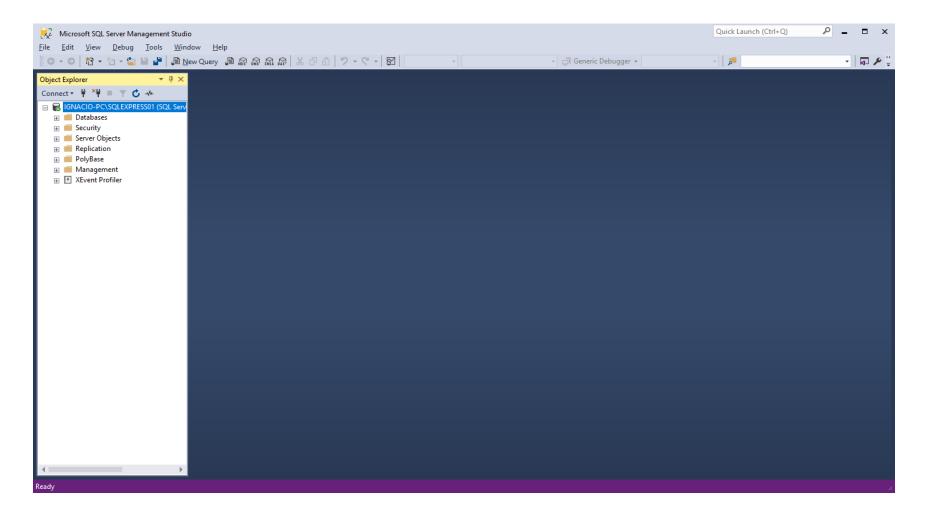


#### Nos conectamos al motor...





#### Vemos el motor:



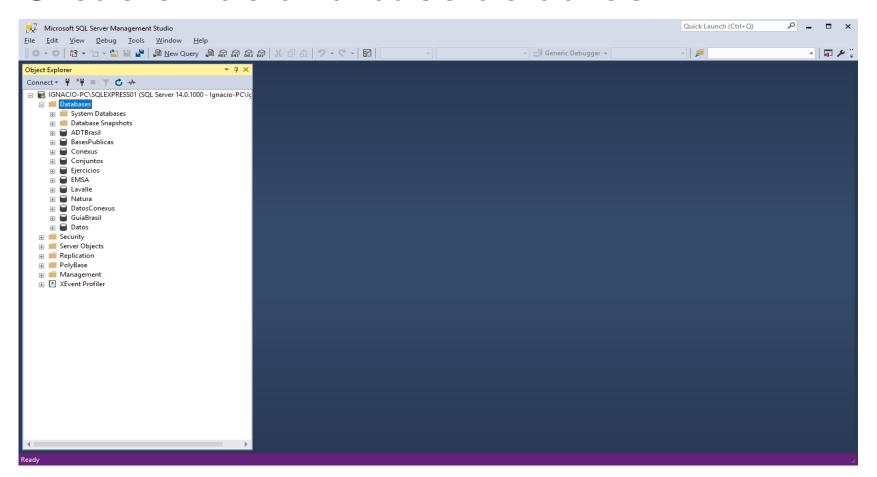


## Manipulación de objetos

- Database
- Table
- View
- Index
- Stored Procedure
- Function
- Trigger

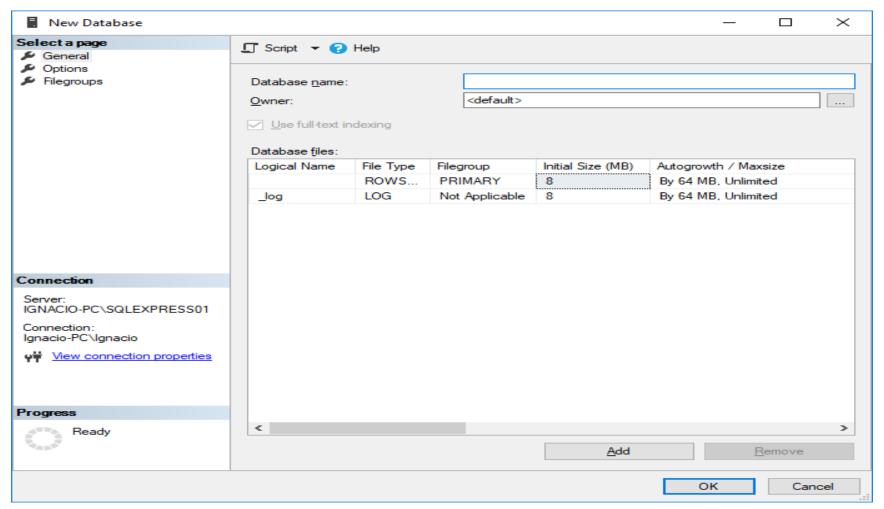


#### Creación de una base de datos



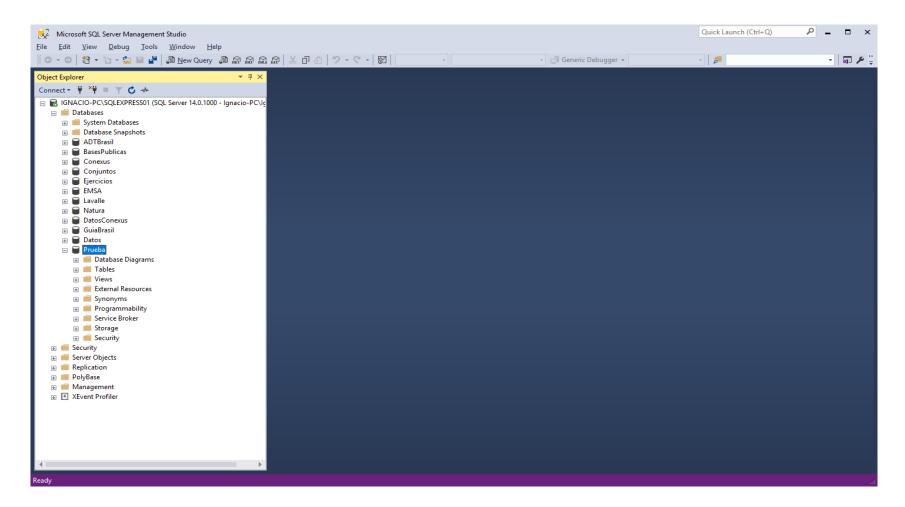


#### Creación de una base de datos



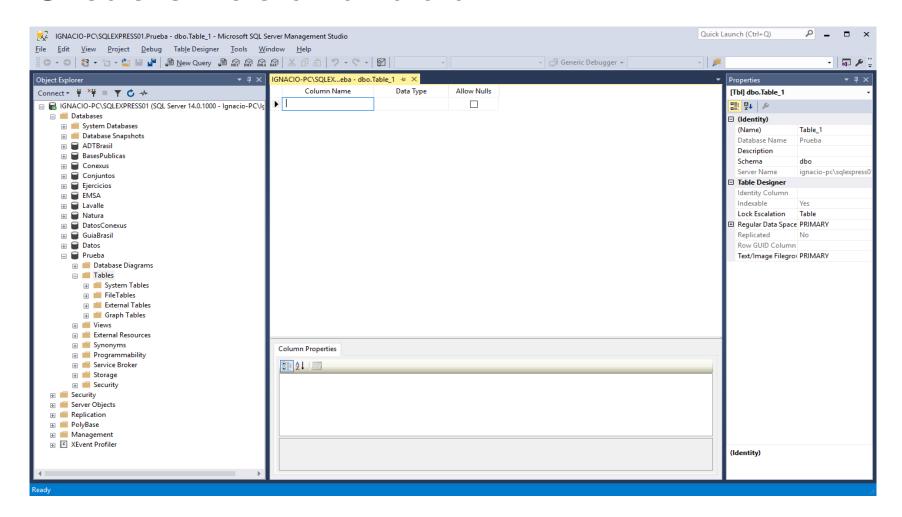


#### Creación de una base de datos



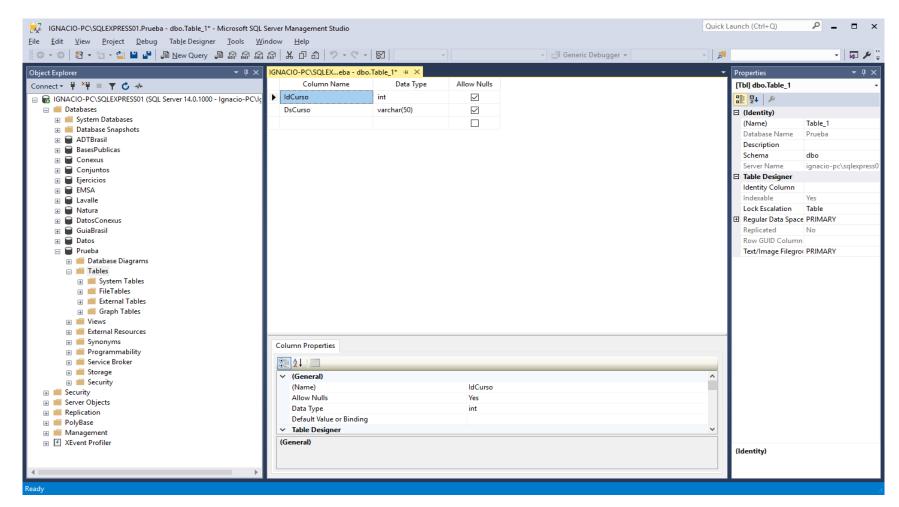


#### Creación de una tabla



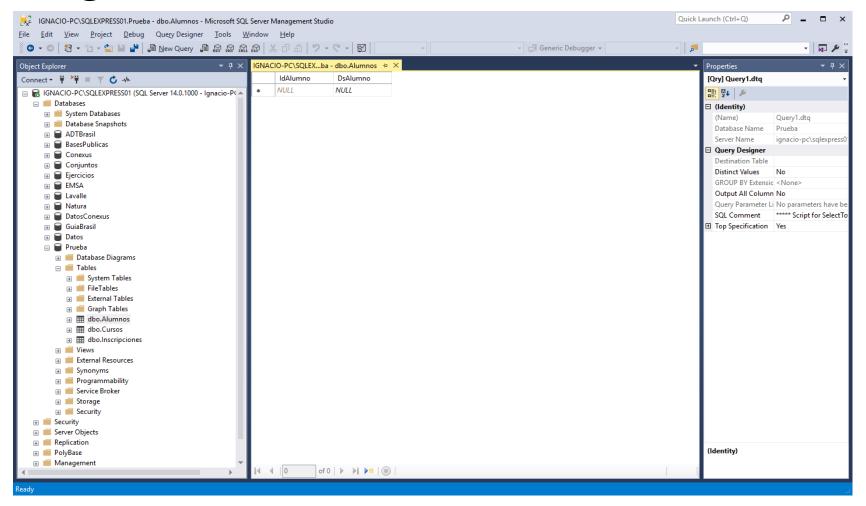


## Configuración de una tabla



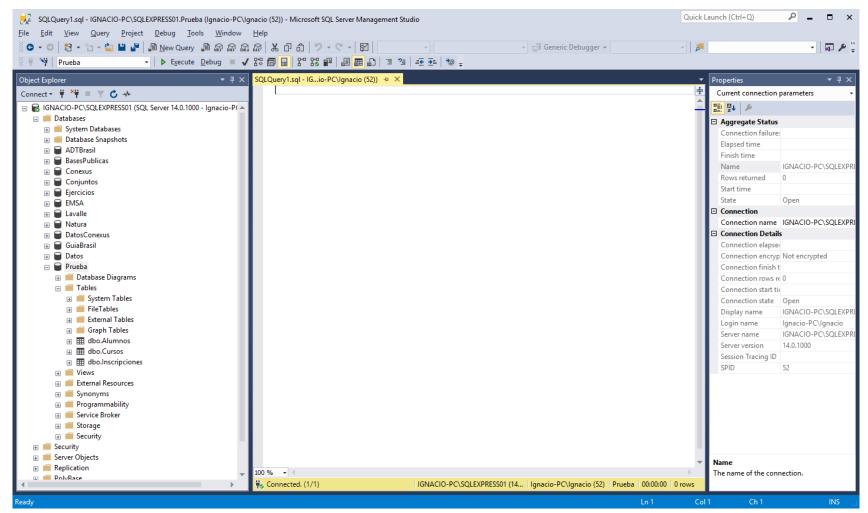


## Cargando datos en una tabla





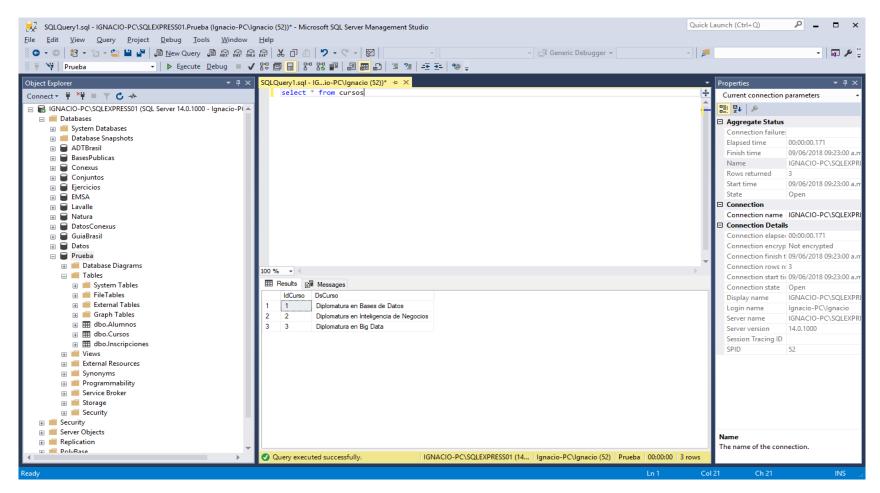
#### Escribiendo consultas



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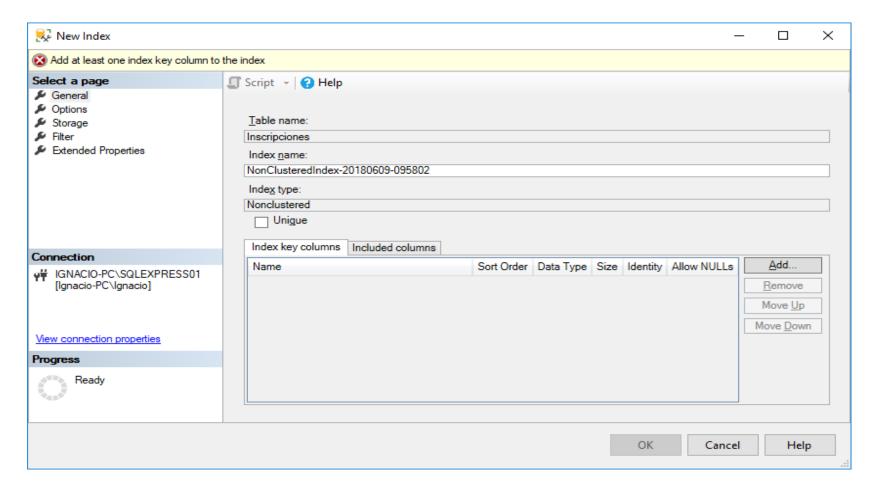


## Ejecutando consultas



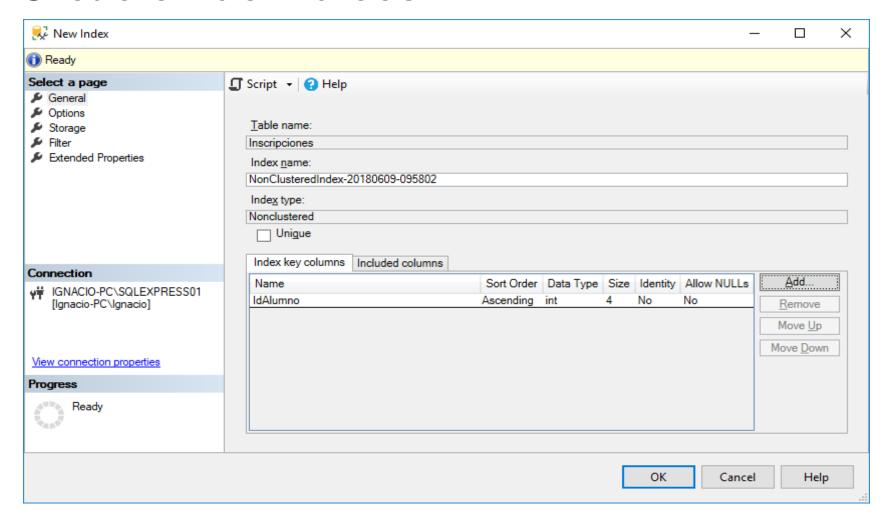


## Creación de Índices



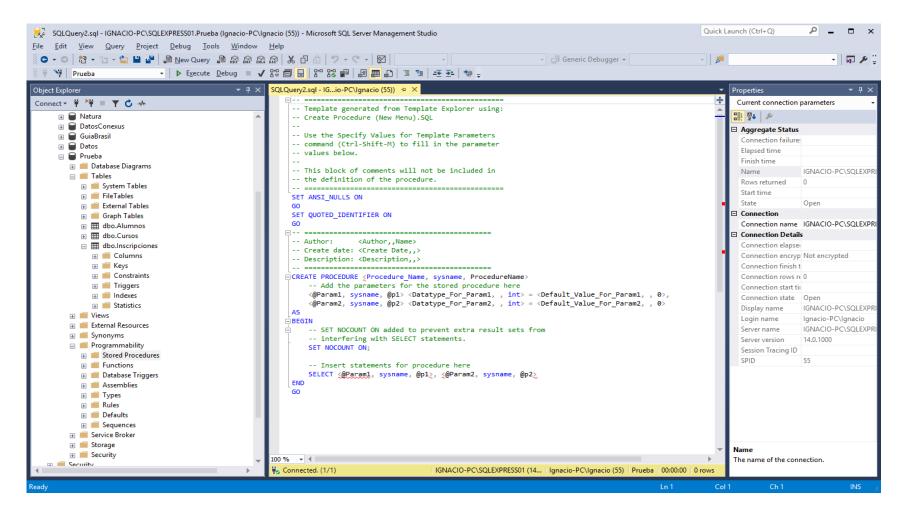


#### Creación de índices



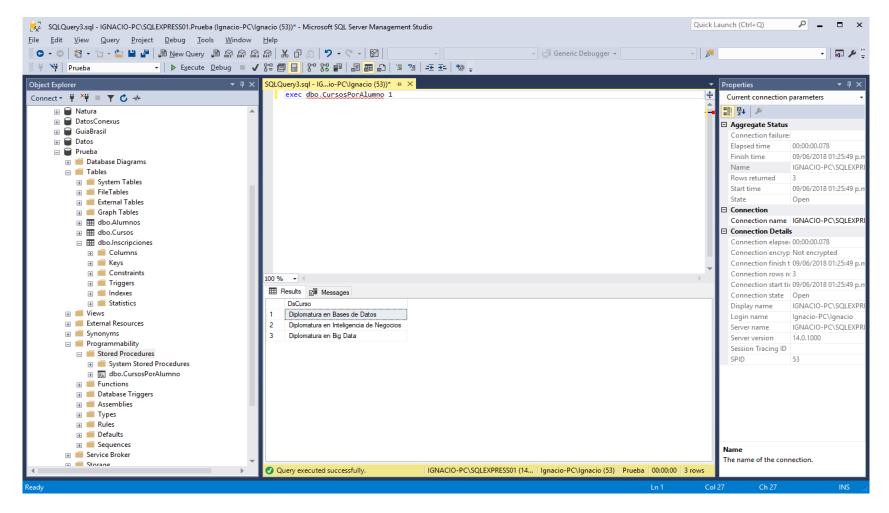


#### Creación de un procedimiento almacenado



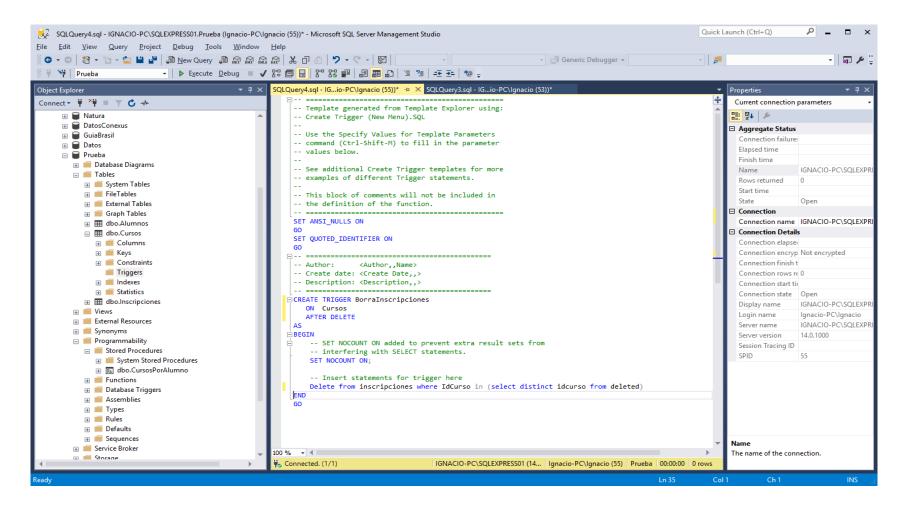


## Usamos el procedimiento almacenado



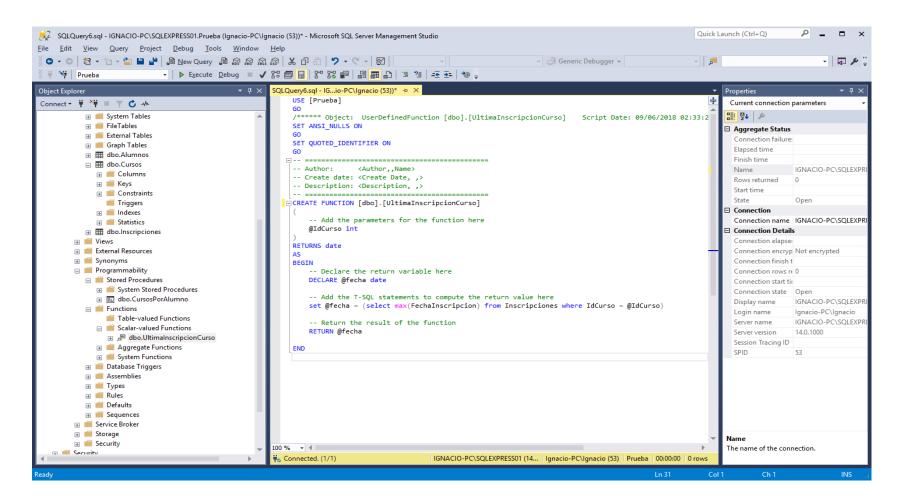


## Creación de un trigger



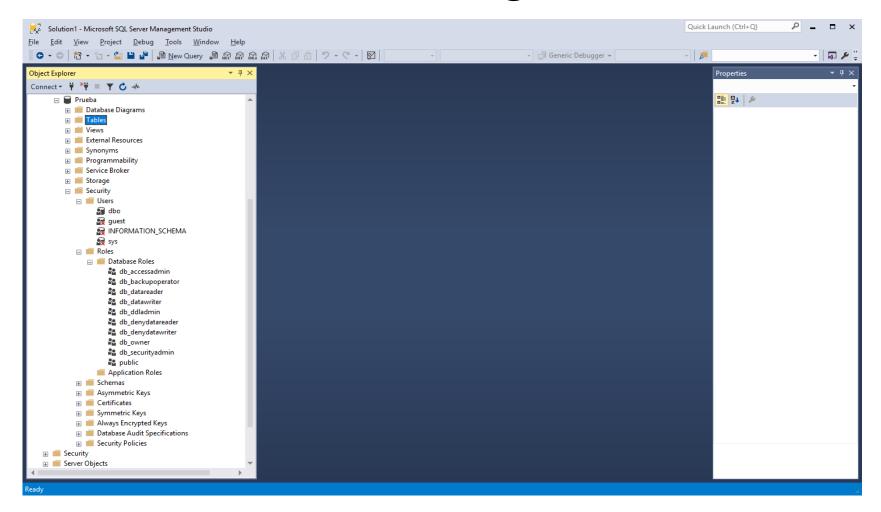


#### Creación de funciones escalares



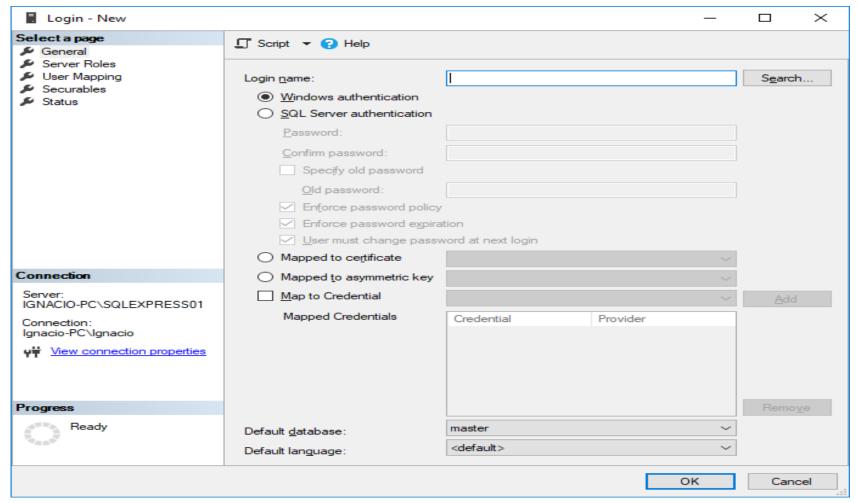


## Administración de la seguridad





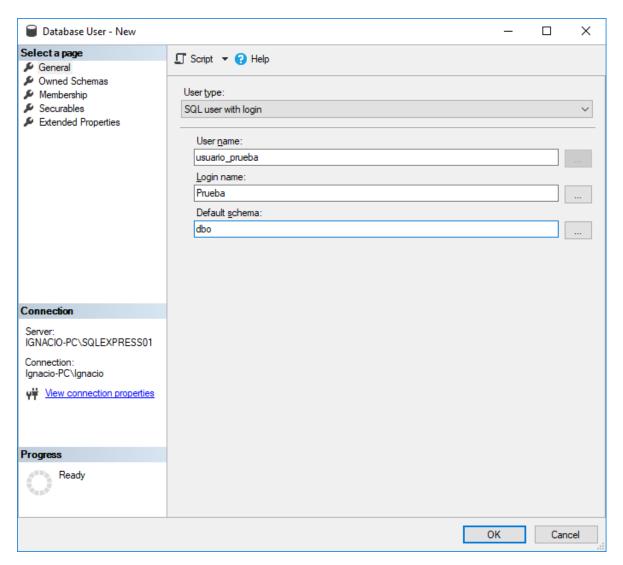
## Logins







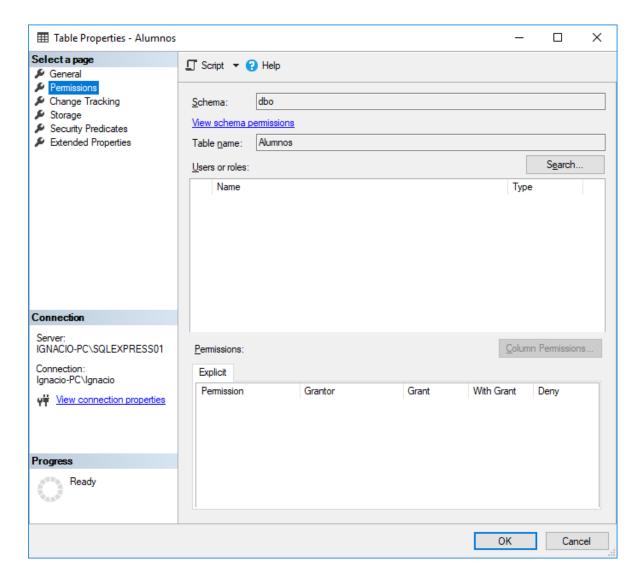
#### **Users**



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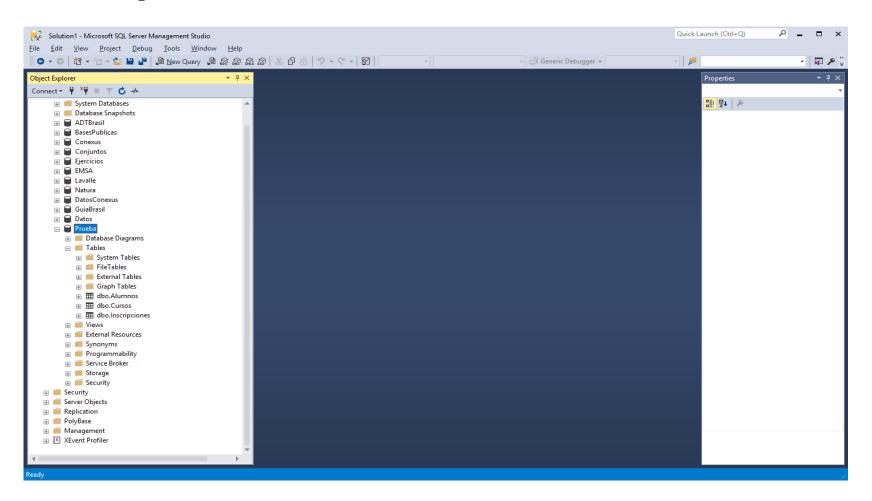


#### **Permisos**





## **Backups**





## ¿Alguna pregunta en el tintero?







## Muchas Gracias

ignacio.urteaga@gmail.com

