

REPORTE PRACTICA 11

EVIDENCIA INSTRUCCION 7

```
USE empresa;  
ALTER DATABASE Empresa ADD FILEGROUP Grupo1;  
ALTER DATABASE Empresa ADD FILEGROUP Grupo2;  
ALTER DATABASE Empresa ADD FILEGROUP Grupo3;  
ALTER DATABASE Empresa ADD FILEGROUP Grupo4;
```

100 %

Messages

Commands completed successfully.

Completion time: 2025-03-03T20:08:48.2804775-06:00

EVIDENCIAS INSTRUCCION 10

```
SQLQuery1.sql - SA...GOLARA\reliv (64))* X  
ALTER DATABASE Empresa ADD FILE (NAME=Empresa1,  
FILENAME='C:\DATA\Empresa1.ndf', SIZE = 5MB, FILEGROWTH = 5MB)  
TO FILEGROUP Grupo1  
ALTER DATABASE Empresa ADD FILE (NAME=Empresa2,  
FILENAME='C:\DATA\Empresa2.ndf', SIZE = 5MB, FILEGROWTH = 5MB)  
TO FILEGROUP Grupo2  
ALTER DATABASE Empresa ADD FILE (NAME=Empresa3,  
FILENAME='C:\DATA\Empresa3.ndf', SIZE = 5MB, FILEGROWTH = 5MB)  
TO FILEGROUP Grupo3  
ALTER DATABASE Empresa ADD FILE (NAME=Empresa4,  
FILENAME='C:\DATA\Empresa4.ndf', SIZE = 5MB, FILEGROWTH = 5MB)  
TO FILEGROUP Grupo4
```

100 %

Messages

Commands completed successfully.

Completion time: 2025-03-03T20:13:12.0864257-06:00

EVIDENCIAS INSTRUCCION 16

```
CREATE PARTITION FUNCTION PF1 (VARCHAR(12)) AS RANGE RIGHT FOR VALUES('Da',  
    'MA','RA')  
GO  
CREATE PARTITION SCHEME PS1 AS PARTITION PF1 TO (Grupo1, Grupo2, Grupo3,  
    Grupo4)
```

100 %

Messages

Msg 2714, Level 16, State 58, Line 2
There is already an object named 'PS1' in the database.

Completion time: 2025-03-03T20:17:39.6377259-06:00

EVIDENCIAS INSTRUCCION 19

```
CREATE TABLE Sucursal (ClaveSuc INT, Nombre VARCHAR(12) PRIMARY KEY,  
    Teléfono VARCHAR(13), Ciudad VARCHAR(15)) ON PS1 (Nombre);
```

100 %

Messages

Commands completed successfully.

Completion time: 2025-03-03T20:19:36.3071364-06:00

EVIDENCIAS INSTRUCCION 39

| SELECT * FROM <u>Sucursal</u> ; | | | | |
|---------------------------------|----------|--------------|--------------|---------------|
| 100 % | | | | |
| Results Messages | | | | |
| | ClaveSuc | Nombre | Teléfono | Ciudad |
| 1 | 313 | Aldama | 271-434-7617 | Córdoba |
| 2 | 269 | Alumnio | 783-323-3153 | Tuxpan |
| 3 | 221 | Atomos | 222-856-2354 | Puebla |
| 4 | 299 | Bambú | 951-263-2351 | Oaxaca |
| 5 | 180 | Camelinas | 443-324-7434 | Morelia |
| 6 | 301 | Cobre | 351-723-1353 | Zamora |
| 7 | 174 | Constitución | 551-466-3211 | Coajimalpa |
| 8 | 205 | Guerrero | 556-234-1464 | Tlalpan |
| 9 | 161 | Gustavo | 558-312-6413 | Tlalnepantla |
| 10 | 250 | Hidalgo | 351-643-1264 | Zamora |
| 11 | 346 | Huarte | 443-214-6422 | Morelia |
| 12 | 323 | Hule | 951-367-2312 | Oaxaca |
| 13 | 206 | Juárez | 271-444-1119 | Córdoba |
| 14 | 133 | Lirios | 871-512-6376 | Torreón |
| 15 | 182 | Madero | 722-825-4132 | Toluca |
| 16 | 218 | Matamoros | 442-645-1245 | Querétaro |
| 17 | 156 | Medusas | 783-313-4132 | Tuxpan |
| 18 | 275 | Molinos | 436-371-3229 | Zacapu |
| 19 | 114 | Montecito | 871-132-3566 | Torreón |
| 20 | 281 | Morelos | 443-323-1198 | Morelia |
| 21 | 288 | Norte | 553-283-4516 | Tlalpan |
| 22 | 228 | Poniente | 554-333-4466 | Coajimalpa |
| 23 | 199 | Puente | 443-324-5422 | Morelia |
| 24 | 173 | Reforma | 555-819-1173 | Benito Juárez |
| 25 | 108 | Río Blanco | 352-213-6356 | La Piedad |
| 26 | 105 | Roble | 951-124-9434 | Oaxaca |
| 27 | 170 | Soledad | 352-123-5689 | La Piedad |
| 28 | 147 | Vallarta | 336-223-5166 | Guadalajara |
| 29 | 340 | Villa | 331-313-4532 | Guadalajara |
| 30 | 293 | Zapata | 442-341-2757 | Querétaro |
| 31 | 137 | Zaragoza | 222-561-3144 | Puebla |

EVIDENCIAS INSTRUCCION 46

| SELECT *, \$partition.PF1(Nombre) AS Partición FROM Sucursal; | | | | | |
|---|----------|--------------|--------------|---------------|-----------|
| 100 % | | | | | |
| Results Messages | | | | | |
| | ClaveSuc | Nombre | Teléfono | Ciudad | Partición |
| 1 | 313 | Aldama | 271-434-7617 | Córdoba | 1 |
| 2 | 269 | Alumnio | 783-323-3153 | Tuxpan | 1 |
| 3 | 221 | Atomos | 222-856-2354 | Puebla | 1 |
| 4 | 299 | Bambú | 951-263-2351 | Oaxaca | 1 |
| 5 | 180 | Camelinas | 443-324-7434 | Morelia | 1 |
| 6 | 301 | Cobre | 351-723-1353 | Zamora | 1 |
| 7 | 174 | Constitución | 551-466-3211 | Coajimalpa | 1 |
| 8 | 205 | Guerrero | 556-234-1464 | Tlalpan | 2 |
| 9 | 161 | Gustavo | 558-312-6413 | Tlalnepantla | 2 |
| 10 | 250 | Hidalgo | 351-643-1264 | Zamora | 2 |
| 11 | 346 | Huarte | 443-214-6422 | Morelia | 2 |
| 12 | 323 | Hule | 951-367-2312 | Oaxaca | 2 |
| 13 | 206 | Juárez | 271-444-1119 | Córdoba | 2 |
| 14 | 133 | Lirios | 871-512-6376 | Torreón | 2 |
| 15 | 182 | Madero | 722-825-4132 | Toluca | 3 |
| 16 | 218 | Matamoros | 442-645-1245 | Querétaro | 3 |
| 17 | 156 | Medusas | 783-313-4132 | Tuxpan | 3 |
| 18 | 275 | Molinos | 436-371-3229 | Zacapu | 3 |
| 19 | 114 | Montecito | 871-132-3566 | Torreón | 3 |
| 20 | 281 | Morelos | 443-323-1198 | Morelia | 3 |
| 21 | 288 | Norte | 553-283-4516 | Tlalpan | 3 |
| 22 | 228 | Poniente | 554-333-4466 | Coajimalpa | 3 |
| 23 | 199 | Puente | 443-324-5422 | Morelia | 3 |
| 24 | 173 | Reforma | 555-819-1173 | Benito Juárez | 3 |
| 25 | 108 | Río Blanco | 352-213-6356 | La Piedad | 3 |
| 26 | 105 | Roble | 951-124-9434 | Oaxaca | 3 |
| 27 | 170 | Soledad | 352-123-5689 | La Piedad | 3 |
| 28 | 147 | Vallarta | 336-223-5166 | Guadalajara | 3 |
| 29 | 340 | Villa | 331-313-4532 | Guadalajara | 3 |
| 30 | 293 | Zapata | 442-341-2757 | Querétaro | 3 |
| 31 | 137 | Zaragoza | 222-561-3144 | Puebla | 3 |

EVIDENCIA INSTRUCCION 51

ALTER DATABASE Empresa REMOVE FILE Empresa4;

100 %

Messages

The file 'Empresa4' has been removed.

Completion time: 2025-03-03T20:30:48.8417086-06:00

EVIDENCIA INSTRUCCION 66

Create Partition Wizard - Empleado

Map Partitions

Map your partitions to filegroups and specify range values.

Range

☒ Left boundary

☐ Right boundary

Select filegroups and specify boundary values:

| | Filegroup | <= Boundary | Rowcount | Required space | Available space |
|---|-----------|-------------|----------|----------------|-----------------|
| | Grupo1 | 200 | 4 | 0.001 MB | 4.813 MB |
| | Grupo2 | 400 | 8 | 0.001 MB | 4.813 MB |
| ▶ | Grupo3 | | 6 | 0.001 MB | 4.813 MB |
| * | | | | | |

Set boundaries...

Estimate storage

Help

< Back

Next >

Finish >>|

Cancel

EVIDENCIA 74

```
SELECT *, $partition.PF2(Cve_Empleado) AS Particion FROM Empleado;
```

```
SELECT * FROM sys.partition_schemes
```

```
SELECT * FROM sys.partition_functions
```

100 %

Results Messages

| | Cve_Empleado | Nombre | Apellido | Puesto | Sucursal | Sueldo | Fecha_Ingreso | Particion |
|---|--------------|--------------|-----------|--------|----------|----------|---------------|-----------|
| 1 | 113 | Ana | Torres | Ven01 | 281 | 3950.00 | 2021-10-12 | 1 |
| 2 | 152 | Maico | Rico | Sup04 | 180 | 14820.00 | 2022-05-01 | 1 |
| 3 | 163 | Laura | Huerta | Ger05 | 108 | 25500.00 | 2023-10-23 | 1 |
| 4 | 194 | Luisa | Lara | Ven02 | 250 | 6250.00 | 2023-11-19 | 1 |
| 5 | 201 | Elmer Homero | Rosas | Ven01 | 199 | 3660.00 | 2024-01-01 | 2 |
| 6 | 224 | Juana | Mena | Ven02 | 301 | 6100.00 | 2020-03-15 | 2 |
| 7 | 237 | Beatriz | Álvarez | Sup04 | 346 | 15700.00 | 2020-09-10 | 2 |
| 8 | 279 | Carmen | Benitez | Ven01 | 346 | 4040.00 | 2021-12-10 | 2 |
| 9 | 301 | Daniel | Contreras | Ven02 | 156 | 6700.00 | 2019-08-05 | 2 |

| | name | data_space_id | type | type_desc | is_default | is_system | function_id |
|---|------|---------------|------|------------------|------------|-----------|-------------|
| 1 | PS1 | 65601 | PS | PARTITION_SCHEME | 0 | 0 | 65536 |
| 2 | PS2 | 65603 | PS | PARTITION_SCHEME | 0 | 0 | 65539 |

| | name | function_id | type | type_desc | fanout | boundary_value_on_right | is_system | create_date | modify_date |
|---|------|-------------|------|-----------|--------|-------------------------|-----------|-------------------------|-------------------------|
| 1 | PF1 | 65536 | R | RANGE | 3 | 1 | 0 | 2025-03-03 20:15:46.357 | 2025-03-03 20:15:46.357 |
| 2 | PF2 | 65539 | R | RANGE | 3 | 0 | 0 | 2025-03-03 20:35:12.627 | 2025-03-03 20:35:12.627 |