Practica de particiones

• Creamos la base de datos

CREATE DATABASE Kardex

use Kardex

• Creamos las particiones en las tablas

ALTER DATABASE Kardex ADD FILEGROUP [K A]

ALTER DATABASE Kardex ADD FILEGROUP [K_B]

ALTER DATABASE Kardex ADD FILEGROUP [K C]

ALTER DATABASE Kardex ADD FILEGROUP [K D]

ALTER DATABASE Kardex ADD FILEGROUP [K E]

ALTER DATABASE Kardex ADD FILEGROUP [K F]

ALTER DATABASE Kardex ADD FILEGROUP [K_G]

ALTER DATABASE Kardex ADD FILEGROUP [K_H]

ALTER DATABASE Kardex ADD FILEGROUP [K I]

ALTER DATABASE Kardex ADD FILEGROUP [K J]

ALTER DATABASE Kardex ADD FILEGROUP [K K]

ALTER DATABASE Kardex

```
ADD FILEGROUP [K L]
```

Creamos los archivos

```
ALTER DATABASE Kardex
ADD FILE
(
   NAME = bk b,
   FILENAME = 'C:\bk b.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K B];
ALTER DATABASE Kardex
ADD FILE
   NAME = bk_c
   FILENAME = 'C:\bk_c.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K_C];
ALTER DATABASE Kardex
ADD FILE
  NAME = bk_d
   FILENAME = 'C:\bk_d.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
)
TO FILEGROUP [K D];
ALTER DATABASE Kardex
ADD FILE
   NAME = bk_e,
   FILENAME = 'C:\bk e.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K E];
ALTER DATABASE Kardex
ADD FILE
   NAME = bk f,
    FILENAME = 'C:\bk f.ndf',
    SIZE = 5MB,
```

```
MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K F];
ALTER DATABASE Kardex
ADD FILE
   NAME = bk g,
   FILENAME = 'C:\bk_g.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K G];
ALTER DATABASE Kardex
ADD FILE
(
   NAME = bk h,
   FILENAME = 'C:\bk h.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K H];
ALTER DATABASE Kardex
ADD FILE
   NAME = bk_i,
   FILENAME = 'C:\bk_i.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
TO FILEGROUP [K I];
ALTER DATABASE Kardex
ADD FILE
(
   NAME = bk_j,
   FILENAME = 'C:\bk j.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
)
TO FILEGROUP [K_J]
ALTER DATABASE Kardex
ADD FILE
   NAME = bk k,
   FILENAME = 'C:\bk k.ndf',
   SIZE = 5MB,
   MAXSIZE = 10MB,
   FILEGROWTH = 5MB
```

```
)
TO FILEGROUP [K_K];

ALTER DATABASE Kardex

ADD FILE
(

NAME = bk_1,
FILENAME = 'C:\bk_1.ndf',
SIZE = 5MB,
MAXSIZE = 10MB,
FILEGROWTH = 5MB
)
TO FILEGROUP [K L];
```

• Creamos la función de partición que asigna las filas de una tabla o un índice a una partición especifica según los valores de una columna especificada.

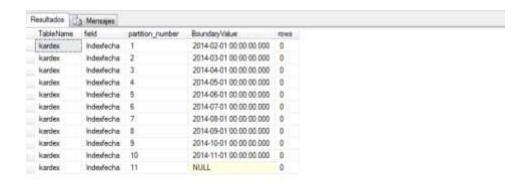
```
Create Partition Function [KardexPartition] (date)
As Range Left For Values
  ('01-02-2014','01-03-2014','01-04-2014','01-05-2014','01-06-2014','01-07-2014','01-08-2014','01-09-2014','01-10-2014','01-11-2014');
```

```
Merenges
Se ha creadu correctamente al esquema de partición 'KardesScheme'. 'E_L' tiene la marca de grupo de archivos usado a continuación en al esquema de partición.
```

• Creamos la tabla a la cual asociamos el esquema de particiones.

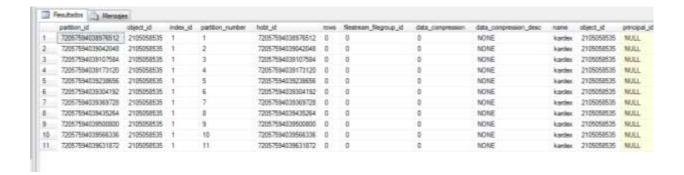
```
create table Kardex1
(
    idKardex int not null,
    fecha date,
    Calificacion int,
    constraint pfKardex primary key (idKardex)
)
Create Clustered Index [Indexfecha] On [dbo].[Kardex] (fecha)
on [KardexScheme] (fecha)
```

• Consulta para obtener las particiones de la tabla indicada



• Ahora veremos toda informacion de las particiones

```
SELECT * FROM sys.partitions AS p
JOIN sys.tables AS t
ON p.object_id = t.object_id
WHERE p.partition_id IS NOT NULL
AND t.name = 'kardex';
```



Insertamos valores

```
insert into kardex values ('1','03-02-2014','80');
insert into kardex values ('2','03-03-2014','80');
insert into kardex values ('3','03-04-2014','80');
insert into kardex values ('4','05-06-2014','80');
insert into kardex values ('5','03-07-2014','80');
insert into kardex values ('6','08-05-2014','80');
```

• Revisemos los datos y la partición donde se encuentra cada uno de los registros con la siguiente instrucción

select *, \$Partition.KardexPartition (fecha) as "Particion"
from kardex

