**Example 26.1**

USE master;

CREATE DATABASE test\_partitioned

ON PRIMARY

( NAME='MyDB\_Primary',

FILENAME=

'd:\mssql\PT\_Test\_Partitioned\_Range\_df.mdf',

SIZE=2000,

MAXSIZE=5000,

FILEGROWTH=1 ),

FILEGROUP MyDB\_FG1

( NAME = 'FirstFileGroup',

FILENAME ='d:\mssql\MyDB\_FG1.ndf', SIZE = 1000MB,

MAXSIZE=2500, FILEGROWTH=1 ),

FILEGROUP MyDB\_FG2

( NAME = 'SecondFileGroup', FILENAME ='f:\mssql\MyDB\_FG2.ndf',

SIZE = 1000MB, MAXSIZE=2500, FILEGROWTH=1);

**Example 26.2**

USE master;

ALTER DATABASE test\_partitioned

ADD FILEGROUP MyDB\_FG3

GO

ALTER DATABASE test\_partitioned

ADD FILE ( NAME = 'ThirdFileGroup',

FILENAME = 'G:\mssql\MyDB\_FG3.ndf', SIZE = 1000MB,

MAXSIZE=2500, FILEGROWTH=1)

TO FILEGROUP MyDB\_FG3;

**Example 26.3**

USE test\_partitioned;

CREATE PARTITION FUNCTION myRangePF1 (int)

AS RANGE LEFT FOR VALUES (500000);

**Example 26.4**

USE test\_partitioned;

CREATE PARTITION SCHEME myRangePS1

AS PARTITION myRangePF1

TO (MyDB\_FG1, MyDB\_FG2);

**Example 26.5**

USE test\_partitioned;

CREATE TABLE orders

(orderid INTEGER NOT NULL, orderdate DATETIME,

shippeddate DATETIME, freight money)

ON myRangePS1 (orderid);

**Example 26.6**

USE test\_partitioned;

declare @i int , @order\_id integer

declare @orderdate datetime

declare @shipped\_date datetime

declare @freight money

set @i = 1

set @orderdate = getdate()

set @shipped\_date = getdate()

set @freight = 100.00

while @i < 1000001

begin

insert into orders (orderid, orderdate, shippeddate, freight)

values( @i, @orderdate, @shipped\_date, @freight)

set @i = @i+1

end

**Example 26.7**

USE test\_partitioned;

CREATE UNIQUE CLUSTERED INDEX CI\_orders

ON orders(orderid)

ON myRangePS1(orderid);

**Example 26.8**

USE test\_partitioned;  
SELECT DISTINCT t.name  
 FROM sys.partitions p INNER JOIN sys.tables t  
 ON p.object\_id = t.object\_id  
 where p.partition\_number <> 1;

**Example 26.9**

SELECT ps.name PartScheme,pf.name PartFunc,fg.name FileGroupName

FROM sys.indexes i

JOIN sys.partitions p ON i.object\_id=p.object\_id

AND i.index\_id=p.index\_id

JOIN sys.partition\_schemes ps on ps.data\_space\_id=i.data\_space\_id

JOIN sys.partition\_functions pf on pf.function\_id=ps.function\_id

JOIN sys.allocation\_units au ON au.container\_id=p.hobt\_id

JOIN sys.filegroups fg ON fg.data\_space\_id=au.data\_space\_id

WHERE i.object\_id = object\_id('orders');

**Example 26.10**

USE AdventureWorksDW;

SELECT ProductAlternateKey

FROM FactInternetSales f JOIN DimDate t ON f.OrderDateKey = t.DateKey

JOIN DimProduct d ON d.ProductKey = f.ProductKey

WHERE CalendarYear BETWEEN 2003 AND 2004

AND ProductAlternateKey LIKE 'BK%'

GROUP BY ProductAlternateKey, CalendarYear;

**Example 26.11**

USE AdventureWorksDWMod;

GO

SELECT F.ProductKey, F.CurrencyKey, D1.CurrencyName, D2.EndDate

FROM dbo.FactInternetSales AS F

JOIN dbo.DimCurrency AS D1 ON F.CurrencyKey = D1.CurrencyKey

JOIN dbo.DimProduct D2 ON F.ProductKey = D2.ProductKey

WHERE D1.CurrencyKey <= 12 AND D2.ListPrice > 50

OPTION (MAXDOP 32);

**Example 26.12**

USE sample;

GO

CREATE VIEW v\_enter\_month

WITH SCHEMABINDING

AS SELECT emp\_no, DATEPART(MONTH, enter\_date) AS enter\_month

FROM dbo.works\_on;

**Example 26.13**

USE sample;

GO

CREATE UNIQUE CLUSTERED INDEX

c\_workson\_deptno ON v\_enter\_month (enter\_month, emp\_no);

**Example 26.14**

USE sample;

SELECT objectproperty(object\_id('v\_enter\_month'), 'IsIndexable');

**Example 26.15**

SELECT sessionproperty ('QUOTED\_IDENTIFIER');

**Example 26.16**

USE sample;

SELECT quoted\_identifier, concat\_null\_yields\_null, ansi\_nulls, ansi\_padding

FROM sys.dm\_exec\_sessions

WHERE session\_id = @@spid;

**Example 26.17**

USE sample;

EXEC sp\_spaceused 'v\_enter\_month';