CREATE TABLE emp (

empno INT PRIMARY KEY,

ename VARCHAR(10),

job VARCHAR(9),

mgr INT NULL,

hiredate DATETIME,

sal NUMERIC(7,2),

comm NUMERIC(7,2) NULL,

dept INT)

begin

insert into emp values

    (1,'JOHNSON','ADMIN',6,'12-17-1990',18000,NULL,4)

insert into emp values

    (2,'HARDING','MANAGER',9,'02-02-1998',52000,300,3)

insert into emp values

    (3,'TAFT','SALES I',2,'01-02-1996',25000,500,3)

insert into emp values

    (4,'HOOVER','SALES I',2,'04-02-1990',27000,NULL,3)

insert into emp values

    (5,'LINCOLN','TECH',6,'06-23-1994',22500,1400,4)

insert into emp values

    (6,'GARFIELD','MANAGER',9,'05-01-1993',54000,NULL,4)

insert into emp values

    (7,'POLK','TECH',6,'09-22-1997',25000,NULL,4)

insert into emp values

    (8,'GRANT','ENGINEER',10,'03-30-1997',32000,NULL,2)

insert into emp values

    (9,'JACKSON','CEO',NULL,'01-01-1990',75000,NULL,4)

insert into emp values

    (10,'FILLMORE','MANAGER',9,'08-09-1994',56000,NULL,2)

insert into emp values

    (11,'ADAMS','ENGINEER',10,'03-15-1996',34000,NULL,2)

insert into emp values

    (12,'WASHINGTON','ADMIN',6,'04-16-1998',18000,NULL,4)

insert into emp values

    (13,'MONROE','ENGINEER',10,'12-03-2000',30000,NULL,2)

insert into emp values

    (14,'ROOSEVELT','CPA',9,'10-12-1995',35000,NULL,1)

end

CREATE TABLE dept (

deptno INT NOT NULL,

dname VARCHAR(14),

loc VARCHAR(13))

begin

insert into dept values (1,'ACCOUNTING','ST LOUIS')

insert into dept values (2,'RESEARCH','NEW YORK')

insert into dept values (3,'SALES','ATLANTA')

insert into dept values (4, 'OPERATIONS','SEATTLE')

end

Creating the sample tables using the data provider

The sample tables used in this Product Brief can be created with the data provider, as shown in the following code example:

SQLServerConnection Conn;

Conn = **new** SQLServerConnection("host=nc-star;port=1433;

User ID=test01;Password=test01; Database Name=Test");

**try**

{

Conn.Open();

}

**catch** (SQLServerException ex)

{

// Connection failed

Console.WriteLine(ex.Message);

**return**;

}

**string**[] DropTableSQL = {"drop table emp", "drop table dept"};

**for** (**int** x=0; x<=1; x++)

{

**try**

{

// Drop the tables, don't care if they don't exist

SQLServerCommand DBCmd = **new** SQLServerCommand(DropTableSQL[x], Conn);

DBCmd.ExecuteNonQuery();

}

**catch** (SQLServerException ex)

{

}

// Create the tables

**string** CreateEmpTableSQL = "CREATE TABLE emp

(empno INT PRIMARY KEY NOT NULL,"

+"ename VARCHAR(10) NOT NULL,"

+"job VARCHAR(9) NOT NULL,"

+"mgr INT,"

+"hiredate DATETIME NOT NULL,"

+"sal NUMERIC(7,2) NOT NULL,"

+"comm NUMERIC(7,2),"

+"dept INT NOT NULL)";

**string** CreateDeptTableSQL = "CREATE TABLE dept ("

+"deptno INT NOT NULL,"

+"dname VARCHAR(14),"

+"loc VARCHAR(13))";

**try**

{

SQLServerCommand DBCmd = **new** SQLServerCommand(CreateEmpTableSQL, Conn);

DBCmd.ExecuteNonQuery();

DBCmd.CommandText = CreateDeptTableSQL;

DBCmd.ExecuteNonQuery();

}

**catch** (Exception ex)

{

//Create tables failed

Console.WriteLine (ex.Message);

**return**;

}

// Now insert the records

**string**[] InsertEmpRecordsSQL = {

     "insert into emp values

        (1,'JOHNSON','ADMIN',6,'12-17-1990',18000,NULL,4)",

     "insert into emp values

        (2,'HARDING','MANAGER',9,'02-02-1998',52000,300,3)",

     "insert into emp values

        (3,'TAFT','SALES I',2,'01-02-1996',25000,500,3)",

     "insert into emp values

        (4,'HOOVER','SALES I',2,'04-02-1990',27000,NULL,3)",

     "insert into emp values

        (5,'LINCOLN','TECH',6,'06-23-1994',22500,1400,4)",

     "insert into emp values

        (6,'GARFIELD','MANAGER',9,'05-01-1993',54000,NULL,4)",

     "insert into emp values

        (7,'POLK','TECH',6,'09-22-1997',25000,NULL,4)",

     "insert into emp values

        (8,'GRANT','ENGINEER',10,'03-30-1997',32000,NULL,2)",

     "insert into emp values

        (9,'JACKSON','CEO',NULL,'01-01-1990',75000,NULL,4)",

"insert into emp values

    (10,'FILLMORE','MANAGER',9,'08-09-1994',56000, NULL,2)",

     "insert into emp values

        (11,'ADAMS','ENGINEER',10,'03-15-1996',34000, NULL,2)",

     "insert into emp values

        (12,'WASHINGTON','ADMIN',6,'04-16-1998',18000,NULL,4)",

     "insert into emp values

        (13,'MONROE','ENGINEER',10,'12-03-2000',30000,NULL,2)",

     "insert into emp values

        (14,'ROOSEVELT','CPA',9,'10-12-1995',35000,NULL,1)"};

**string**[] InsertDeptRecordsSQL = {

     "insert into dept values (1,'ACCOUNTING','ST LOUIS')",

     "insert into dept values (2,'RESEARCH','NEW YORK')",

     "insert into dept values (3,'SALES','ATLANTA')",

     "insert into dept values (4, 'OPERATIONS','SEATTLE')"};

// Insert dept table records first

**for** (**int** x = 0; x<InsertDeptRecordsSQL.Length; x++)

{

**try**

{

SQLServerCommand DBCmd =

**new** SQLServerCommand(InsertDeptRecordsSQL[x], Conn);

DBCmd.ExecuteNonQuery();

}

**catch** (Exception ex)

{

Console.WriteLine (ex.Message);

**return**;

}

}

// Now the emp table records

**for** (**int** x = 0; x<InsertEmpRecordsSQL.Length; x++)

{

**try**

{

SQLServerCommand DBCmd =

**new** SQLServerCommand(InsertEmpRecordsSQL[x], Conn);

DBCmd.ExecuteNonQuery();

}

**catch** (Exception ex)

{

Console.WriteLine (ex.Message);

**return**;

}

}

Console.WriteLine ("Tables created Successfully!");

// Close the connection

Conn.Close();