

Views and Stored Procedures



Views

Create a View

Syntax:

```
CREATE VIEW view_name AS  
SELECT column1, column2, ... FROM table_name  
WHERE condition;
```

Example:

```
CREATE VIEW [Brazil Customers] AS  
SELECT CustomerName, ContactName  
FROM Customers WHERE Country= 'Brazil';  
SELECT * FROM [Brazil Customers];
```

Drop a view

Syntax:

```
DROP VIEW view_name;
```

Example:

```
DROP VIEW [Brazil Customers];
```

Replace a View

Syntax:

```
CREATE OR REPLACE VIEW view_name AS  
SELECT column1, column2, ... FROM table_name  
WHERE condition;
```

Example:

```
CREATE OR REPLACE VIEW [Brazil Customers] AS  
SELECT CustomerName, ContactName, City  
FROM Customers  
WHERE Country = 'Brazil';
```

Stored procedure

Syntax:

```
CREATE PROCEDURE procedure_name
AS
BEGIN
    sql_statements
END
```

Example:

```
CREATE PROCEDURE GetEmployeeList
AS
BEGIN
SELECT EmpID ,FirstName ,LastName FROM
dbo.Employee
END
```

To execute stored procedures:**Syntax:**

```
Exec Procedure_name;
```

Example:

```
Exec GetEmployeeList
```

Stored procedure for inserting data

```
CREATE PROCEDURE dbo.uspInsertEmployee
(
    @FirstName nvarchar(50)
    ,@LastName nvarchar(50)
    ,@Email nvarchar(50)
    ,@PhoneNo nvarchar(20)
    ,@Salary money
)
AS
BEGIN
    INSERT INTO dbo.Employee
        (FirstName
        ,LastName
        ,Email
        ,PhoneNo
        ,Salary)
    VALUES
    (
        @FirstName
        ,@LastName
        ,@Email
        ,@PhoneNo
        ,@Salary
    )
END
```

```
EXEC dbo.uspInsertEmployeeDetails
@FirstName = 'Swati'
,@LastName = 'Karia'
,@Email = 'swatik@test.com'
,@PhoneNo = '6657890980'
,@Salary = 300000
```

Modifying and dropping the stored procedure

- Modify

```
ALTER PROCEDURE dbo.uspGetEmployees
AS
BEGIN
    SELECT EmpID
           ,FirstName
           ,LastName
           ,Salary
    FROM dbo.Employee
END
```

- Drop

```
DROP PROCEDURE dbo.uspGetEmployees;
```