
THE ABSENTMINDED DBA'S CHEAT SHEET

Intermediate TSQL, by MidnightDBA.com

SIMPLE CASE

```
CASE input_expression
  WHEN when_expression THEN
result_expression
-- ...
  ELSE else_result_expression
END
```

SEARCHED CASE

```
CASE
  WHEN Boolean_expression THEN
result_expression
-- ...
  ELSE else_result_expression
END
```

DROP IF EXISTS

```
USE DBName;
GO
IF OBJECT_ID (N'dbo.ISOweek', N'FN') IS NOT NULL
  DROP FUNCTION dbo.ISOweek;
GO
```

UPDATE...FROM

```
UPDATE Table1
SET   Table1.col1 = Table1.col1 + T2.col1
FROM   Table1 AS T2
```

CREATE FUNCTION

```
CREATE FUNCTION dbo.fName (@DATE datetime)
RETURNS int
AS
BEGIN
  RETURN 100
END;
```

CTES

```
WITH DirectReports ( ManagerID, DeptID )
AS ( SELECT  e.ManagerID ,
            edh.DepartmentID
      FROM    HumanResources.Employee AS e
      INNER JOIN
      HumanResources.EmployeeDepartmentHist
      ory AS edh
      ON e.EmployeeID = edh.EmployeeID
      AND edh.EndDate IS NULL
      WHERE   ManagerID IS NULL
    )
SELECT  ManagerID , DeptID
FROM    DirectReports
INNER JOIN HumanResources.Department AS dp
ON DirectReports.DeptID = dp.DepartmentID
  WHERE dp.GroupName = N'Research and
  Development'
```

CURSOR

```
DECLARE @myID INT, @myName NVARCHAR(50)

DECLARE myCursor CURSOR FOR
SELECT myID, [NAME] FROM myTable

OPEN myCursor

FETCH NEXT FROM myCursor INTO @myID,
@myName

WHILE @@FETCH_STATUS = 0
  BEGIN
    -- do stuff with @myID, @myName
    FETCH NEXT FROM myCursor INTO @myID,
@myName
  END

CLOSE myCursor
DEALLOCATE myCursor
```



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