

String Functions	
Exact Numerics	
bit	decimal
tinyint	money
smallint	numeric
bigint	
Approximate Numerics	
float	real
Date and Time	
smalldatetime	timestamp
datetime	
Strings	
char	text
varchar	
Unicode Strings	
nchar	ntext
nvarchar	
Binary Strings	
binary	image
varbinary	
Miscellaneous	
cursor	table
sql_variant	xml

Type Conversion
CAST (expression AS datatype)
CONVERT (datatype, expression)

Ranking Functions	
RANK	NTILE
DENSE_RANK	ROW_NUMBER

Grouping (Aggregate) Functions	
AVG	MAX
BINARY_CHECKSUM	MIN
CHECKSUM	SUM
CHECKSUM_AVG	STDEV
COUNT	STDEVP
COUNT_BIG	VAR
GROUPING	VARP

Table Functions	
ALTER	DROP
CREATE	TRUNCATE

Date Functions
DATEADD (datepart, number, date)
DATEDIFF (datepart, start, end)
DATENAME (datepart, date)
DATEPART (datepart, date)
DAY (date)
GETDATE()
GETUTCDATE()
MONTH (date)
YEAR (date)

Dateparts	
Year	yy, yyyy
Quarter	qq, q
Month	mm, m
Day of Year	dy, y
Day	dd, d
Week	wk, ww
Hour	hh
Minute	mi, n
Second	ss, s
Millisecond	ms

Mathematical Functions	
ABS	LOG10
ACOS	PI
ASIN	POWER
ATAN	RADIANS
ATN2	RAND
CEILING	ROUND
COS	SIGN
COT	SIN
DEGREES	SQUARE
EXP	SQRT
FLOOR	TAN
LOG	

String Functions	
ASCII	REPLICATE
CHAR	REVERSE
CHARINDEX	RIGHT
DIFFERENCE	RTRIM
LEFT	SOUNDEX
LEN	SPACE
LOWER	STR
LTRIM	STUFF
NCHAR	SUBSTRING
PATINDEX	UNICODE
REPLACE	UPPER
QUOTENAME	

Create a Stored Procedure
CREATE PROCEDURE name
@variable AS datatype = value
AS
-- Comments
SELECT * FROM table
GO

Create a Trigger
CREATE TRIGGER name
ON
table
FOR
DELETE, INSERT, UPDATE
AS
-- Comments
SELECT * FROM table
GO

Create a View
CREATE VIEW name
AS
-- Comments
SELECT * FROM table
GO

Create an Index
CREATE UNIQUE INDEX name
ON
table (columns)

Create a Function
CREATE FUNCTION name
(@variable datatype(length))
RETURNS
datatype(length)
AS
BEGIN
DECLARE @return datatype(length)
SELECT @return = CASE @variable
WHEN 'a' THEN 'return a'
WHEN 'b' THEN 'return b'
ELSE 'return c'
RETURN @return
END