SELECT 'Texto'

N'Testo'

0x12Ef

{D '1753-02-22'}

{D '9999-12-31'}

{t '18:22:11'}

{ts '1753-02-22 18:22:11'}

12.0

+0012.00000

12.0E0

$-12.0

SELECT 'Texto' AS \_varchar,

N'Testo' AS \_nvarchar,

0x12Ef AS \_varbinary,

{D '1753-02-22'} AS \_d\_datetimenaonulo,

{D '9999-12-31'} AS \_d\_datetimenaonuloamax,

{t '18:22:11'} AS \_t\_datetimenulo,

{ts '1753-02-22 18:22:11'} AS \_ts\_datetimenaonulo,

12.0 AS \_decimal3v1,

+0012.0000 AS \_decimal7v5,

12.0E0 AS \_float,

$-12.0 AS \_money

INTO t3

CREATE OR ALTER FUNCTION t0() RETURNS DATE AS BEGIN

RETURN '2022-02-02'

END

GO

CREATE OR ALTER FUNCTION t1() RETURNS DATE AS BEGIN

RETURN {d'2022-02-02'}

END

GO

SELECT dbo.t1()

SELECT FORMAT( 1/7.0E0, '000.0000000000000000000')

SELECT FORMAT( 1.0000000000000000/7, '000.0000000000000000000')

SELECT FORMAT( 1.0000000000000000/7E0, '000.0000000000000000000')

SELECT FORMAT( 1.0/7, '000.0000000000000000000')

declare @x float = 11111

declare @y float = -11111

declare @z float = 0.1

select case when (@x + @y) + @z = @x + (@y + @z) then 'Igual' else 'Diferente' end

GO

declare @x decimal = 11111

declare @y decimal = -11110.1

declare @z decimal = 0.1

select case when (@x + @y) + @z = @x + (@y + @z) then 'Igual' else 'Diferente' end

-- conversão de dados e cálculos

CREATE FUNCTION [Tipo](@p AS SQL\_VARIANT) RETURNS NVARCHAR(100) AS BEGIN

DECLARE @t AS NVARCHAR(100)

DECLARE @i AS NVARCHAR(100)

SET @t=CAST(SQL\_VARIANT\_PROPERTY(@p,'BaseType') AS NVARCHAR(MAX))

SET @I=CASE

WHEN @t LIKE '%binary%' THEN

concat('(',CAST(SQL\_VARIANT\_PROPERTY(@p,'TotalBytes') AS NVARCHAR(MAX)),')')

WHEN @t LIKE '%char%' THEN

concat('(',CAST(SQL\_VARIANT\_PROPERTY(@p,'MaxLength') AS NVARCHAR(MAX)),

') ',CAST(SQL\_VARIANT\_PROPERTY(@p,'Collation') AS NVARCHAR(MAX)))

ELSE

concat('(',CAST(SQL\_VARIANT\_PROPERTY(@p,'Precision') AS NVARCHAR(MAX)),

',',CAST(SQL\_VARIANT\_PROPERTY(@p,'Scale') AS NVARCHAR(MAX)),')')

end

RETURN CONCAT(@t,@i)

END

SELECT 1, CAST('variant' AS SQL\_VARIANT),''

UNION SELECT 2, 'Texto' , dbo.Tipo('Texto' )

UNION SELECT 3, N'Texto' , dbo.Tipo(N'Texto' )

UNION SELECT 4, 0x12Ef , dbo.Tipo(0x12Ef )

UNION SELECT 5, {D '1753-02-22'} , dbo.Tipo({D '1753-02-22'} )

UNION SELECT 6, {D '9999-12-31'} , dbo.Tipo({D '9999-12-31'} )

UNION SELECT 7, {t '18:22:11'} , dbo.Tipo({t '18:22:11'} )

UNION SELECT 8, {ts '1753-02-22 18:22:11'} , dbo.Tipo({ts '1753-02-22 18:22:11'})

UNION SELECT 9, 12.0 , dbo.Tipo(12.0 )

UNION SELECT 10, +0012.0000 , dbo.Tipo(+0012.0000 )

UNION SELECT 11, 12.0E0 , dbo.Tipo(12.0E0 )

UNION SELECT 12, $-12.0 , dbo.Tipo($-12.0 )

ORDER BY 1

DECLARE @t AS SQL\_VARIANT

SET @t = 1.00/7.00

SELECT @t,dbo.Tipo(@t)

SET @t = CAST(-1.00/7.00 AS DECIMAL(9,3))

SELECT @t,dbo.Tipo(@t)

SET @t = ROUND(-1.00/7.00 ,3)

SELECT @t,dbo.Tipo(@t)

SET @t = ROUND(-1.00/7.00 ,3 ,1)

SELECT @t,dbo.Tipo(@t)

SET @t = '1' + '2' + 1

SELECT @t,dbo.Tipo(@t)

SET @t = '1' + 2 + 1

SELECT @t,dbo.Tipo(@t)

SET @t = 0.12345678 / 10000000000000000000000000000000

SELECT @t,dbo.Tipo(@t)

SET @t = ₦6.00226

SELECT @t,dbo.Tipo(@t)

<https://learn.microsoft.com/en-us/sql/t-sql/data-types/data-type-conversion-database-engine?view=sql-server-ver16>

SET @t = CAST(6.666 AS INT)

SELECT @t,dbo.Tipo(@t)

SET @t = CAST('59.234' AS NUMERIC(15,4))

SELECT @t,dbo.Tipo(@t)

SET @t = PARSE('59.234' AS NUMERIC(15,4)) -- USING 'pt-BR')

SELECT @t,dbo.Tipo(@t)

SET @t = FORMAT(59.234,'00000.00000')

SELECT @t,dbo.Tipo(@t)

DECLARE @t1 AS DECIMAL(10,2) = 10/3.0

DECLARE @t2 AS DECIMAL(10,2) = 10/3.0

DECLARE @t3 AS DECIMAL(10,2) = 10/3.0

DECLARE @t AS DECIMAL(10,2) = @t1 + @t2 + @t3

DECLARE @td AS DECIMAL(10,2) = (10/3.0) + (10/3.0) + (10/3.0)

SELECT @t,dbo.Tipo(@t)

SELECT @td,dbo.Tipo(@t)

SELECT SUM(c/3) FROM c

SELECT CAST(SUM(c/3) as DECIMAL(5,2)) FROM c

SELECT SUM(CAST(c/3 as DECIMAL(5,2))) FROM c

DECLARE @yourInputDate NVARCHAR(32) = '28 listopad 2018';

SET LANGUAGE Polish;

SELECT CONVERT(DATE, @yourInputDate) AS [SL\_Polish];

SET LANGUAGE Croatian;

SELECT CONVERT(DATE, @yourInputDate) AS [SL\_Croatian];

SET LANGUAGE English;

SET DATEFORMAT mdy

SET @t = CAST('1/2/3' AS date)

SELECT @t,dbo.Tipo(@t),CAST('2023/2/1' AS DATE)

SET DATEFORMAT dmy

SET @t = CAST('1/2/3' AS date)

SELECT @t,dbo.Tipo(@t),CAST('2023-2-1' AS DATE)

SET @t = {d '2023-02-01'}

SELECT @t,dbo.Tipo(@t)

SELECT CONCAT('D:',CONVERT(VARCHAR,@t))

SELECT FORMAT(CAST(@t AS DATE),'dd/MM/yyyy')

SELECT FORMAT(CAST(@t AS DATE),'yyyyMMdd')

<https://learn.microsoft.com/en-us/sql/t-sql/functions/cast-and-convert-transact-sql?view=sql-server-ver16>

DBCC USEROPTIONS;