

Data types

①*

Decimal & Numeric

Decimal & Numeric are functionally equivalent

Syntax:

DECIMAL (Precision [, Scale])

NUMERIC (precision [, Scale])

Ex:- SELECT CAST (123 AS DECIMAL(5,2))

-- returns 123.00

SELECT CAST (12345.12 AS NUMERIC(10,5))

-- returns 12345.12000

②

Float & Real

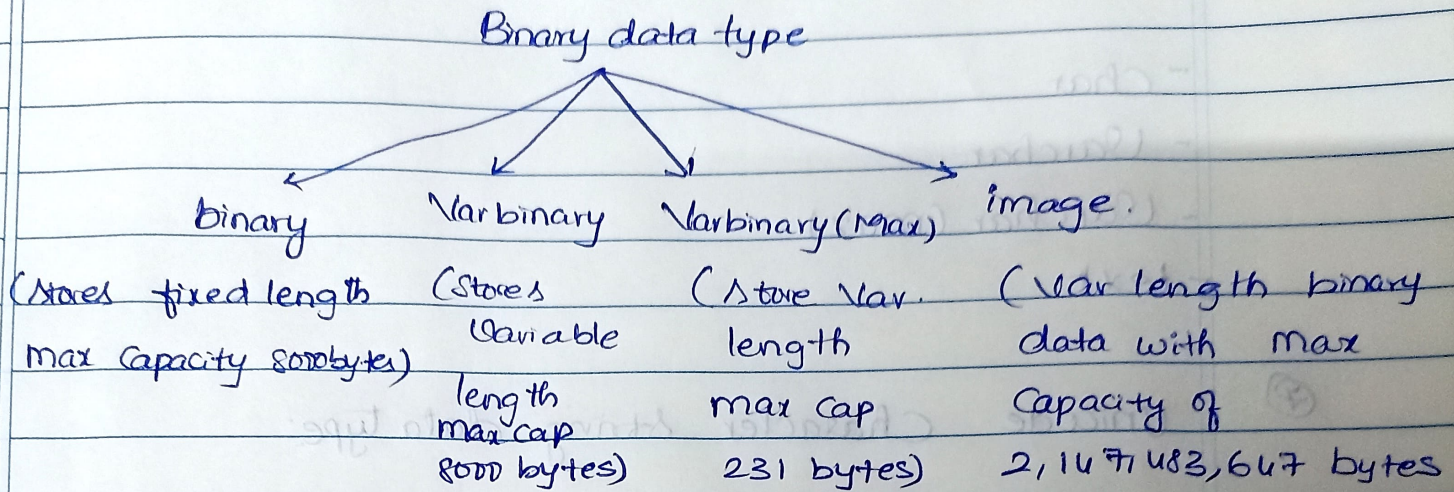
SELECT CAST (PI() AS FLOAT)

-- returns 3.14159265358979

SELECT CAST (PI() AS REAL)

Date: / /

③ Binary Data type:-



④ Exact Numeric data types:-

- bigint
- int
- smallint
- tinyint
- bit
- decimal
- Numeric
- Money
- Small Money.

⑤ Approximate Numeric Data type

- float
- real

⑥ Character String data type:

- Char
- Varchar
- Varchar (max)
- text

⑦ Unicode Character String data type:

- nchar
- Nvarchar
- Nvarchar (max)
- ntext

⑧ Date & time data type:

- datetime
- smalldatetime
- date
- time
- year
- timestamp

⑨ Miscellaneous Data types:

- clob → holds large character Objects with a max Capacity of 2GB
- blob → holds large binary Objects
- XML
- JSON
- CURSOR
- UUID
- bfile.