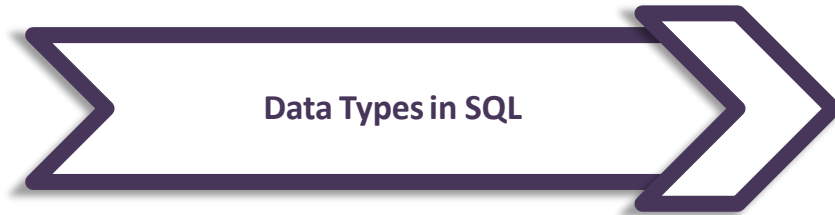


SQL Tutorial



SQL

Agenda



Data Types in SQL

Data types define what type of data a column can hold.

e_id	e_name	e_salary	e_age	e_gender	e_dept
1	Sam	95000	45	Male	Operations
2	Bob	80000	21	Male	Support
3	Anne	125000	25	Female	Analytics
4	Julia	73000	30	Female	Analytics
5	Matt	159000	33	Male	Sales
6	Jeff	112000	27	Male	Operations

Integer

Character

Different Data Types in SQL

Numerical Data Types

Data Type	Range
bigint	$-9223372036854775808 \leftrightarrow 9223372036854775808$
int	$-2147483648 \leftrightarrow 2147483647$
smallint	$-32768 \leftrightarrow -32767$
tinyint	$0 \leftrightarrow 255$
decimal(s,d)	$-10^{38} + 1 \leftrightarrow 10^{38} - 1$

Character Data Types

Data Type

Range

char(s)

255 Characters

varchar(s)

255 Characters

text

65,535 Characters

Date and Time Data Types

Data Type

Format

date

YYYY-MM-DD

time

HH:MM:SS

Year

YYYY



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