# 数据类型

## （一）Boolean

This type captures boolean values true and false.

## （二）Integer

1、TINYINT

A 8-bit signed two’s complement integer with a minimum value of -2^7 and a maximum value of 2^7 - 1.

2、SMALLINT

A 16-bit signed two’s complement integer with a minimum value of -2^15 and a maximum value of 2^15 - 1.

3、INTEGER

A 32-bit signed two’s complement integer with a minimum value of -2^31 and a maximum value of 2^31 - 1. The name INT is also available for this type.

4、BIGINT

A 64-bit signed two’s complement integer with a minimum value of -2^63 and a maximum value of 2^63 - 1.

## （三）Floating-Point

1、REAL

A real is a 32-bit inexact, variable-precision implementing the IEEE Standard 754 for Binary Floating-Point Arithmetic.

2、DOUBLE

A double is a 64-bit inexact, variable-precision implementing the IEEE Standard 754 for Binary Floating-Point Arithmetic.

## （四）Fixed-Precision

1、DECIMAL

A fixed precision decimal number. Precision up to 38 digits is supported but performance is best up to 18 digits.

The decimal type takes two literal parameters:

precision - total number of digits

scale - number of digits in fractional part. Scale is optional and defaults to 0.

## （五）String

## （六）Date and Time

## （七）Structural

## （八）Network Address

## （九）HyperLogLog

## （十）Quantile Digest

# 二、运算符和函数