SQL

Create Table

Employee

empid	name	age	salary

each row in a table is called a record

table definition can be described with columns in a table and associated data type (also, constraints) → Schema

Create Table

```
CREATE TABLE tablename (
    column1    datatype  constraint ,
    column2    datatype  constraint ,
    column3    datatype  constraint ,
    ...
);

CREATE TABLE  Employee (
    empid   int,
    name    varchar(255),
    age     int,
    salary  float(9,2)
);
```

Data Types

int (size) or integer(size)	−2147483648 to 2147483647
bigint(size)	−9223372036854775808 to 9223372036854775807
mediumint(size)	−8388608 to 8388607
smallint(size)	−32768 to 32767

Datatypes

$0 \rightarrow$ false

Non-Zero $\rightarrow$ true

bool
or
boolean

float (p)

$P = 0$ to $24 \longrightarrow$ float

$P = 25$ to $53 \longrightarrow$ double

double (size, d)

Data Types

char (size)   Fixed length   size → 0 to 255

varchar (size)   variable length   size → 0 to 65535

text (size)   max length   65535

tinytext   max length   255

mediumtext   max length   16777215

longtext   max length   4294967295

Data Types

enum (val1, val2, val3, ...)

date   YYYY - MM - DD

datetime   YYYY - MM - DD   hh:mm:ss

time   hh:mm:ss

year   YYYY   1901 to 2155

Drop table

DROP TABLE   tablename;

DROP TABLE   Employee;

How to see list of tables?

SHOW TABLES;

How to see the structure of a table?

DESCRIBE table_name;