SQL:

Limit in the end

**Typeof:** gives type of data in column

Count(\*) counts duplicate as well, count(distinct col\_name) can take only single column

[**S**]ingle quotes are for [**S**]trings ; [**D**]ouble quotes are for [**D**]atabase identifiers

SQL

NOT keyword

WHERE not city = ‘berlin’

IN can be used for strings as well

OR can be used as where city = ‘ ‘ or ‘ ‘

**insert**: insert into tablename (coloumn1data, coloumn2data, …) values (‘ ‘, ‘ ‘, ‘ ‘)

**for null** = cannot be used, use IS NULL

**Update**: update tablename set coloumnname = ‘ ‘, coloumnname = ‘ ‘

**Delete**: Delete from tablename where

**Aggregate function in where**: agg cannot be used in where but a subquery can be

Non procedural language

used to retrieve, write, update

Definition of table, column, database

ER diagram: relation between tables in graphical form

Chen notation, Cow’s foot, UML class

SELECT, LIMIT

Temporary tables: Can be updated unlike client;s table, fast bcz less access to users

Single and multiline comments

Snow flake diag and star schema

Filtering, using operators, IN, OR, NOT

Wildcards, Sorting data: Can take multiple columns

Aggergate functions AVG, COUNT, MIN, MAX, SUM

Distinct, Grouping data aggregates it

Subqueries, Joins create easier subqueries

CROSS join: x\*y

Inner join common from both, requires ON

Left join, Right join, Self join

String Fns: Concatenate || ‘ ‘ !!\_\_\_!! ‘ ‘, Trim, substring, upperm lower

STRFTIME extracts individual yy, mm, dd, hh,mm,SS,ss from yy-mm-dd-hh-mm-SS-ss

CASE statements

data profiling, View

**Row number:** indexes row starting from 1, Order by is compulsary; Using partition also resets row number after every partition

Row\_number() over (order by)

aggregation using group by does not allow to view coloumns, it only shows the last entry; we can do this by using join

or we can use: ***Count(coloumn\_name) over (partition by coloumn name)***

accessing each cell

modulus operator in sql, mod(coloumn\_name, divider)

Rlike operator can be used for comparing last letters with multiple letters simultaneously

Rank(), Rlike, Llike, regular expression