ORDER BY

SELECT <column1>, <column2>, ..., <columnk>

FROM <table>

WHERE (<condition>) → conjugate condition (combination of two or more conditions).

Ex: Select the name of all the patients whose age is more than 25 but less than 60.

SELECT name

FROM patients

WHERE (age <= 60) AND (age >= 25)

age BETWEEN 25 AND 60

Select ~~name~~ all & age of the patients where patients are aged more than 30 years and [sort the result by age in descending order]

Desc → Largest to Smallest

ID	NAME	AGE	DC
1	a	42 ✓	—
2	b	23	—
3	c	37 ✓	—
4	d	62 ✓	—
5	e	29	—
6	f	15	—

filter.

ID	Name	Age	DC
1	a	42	—
3	c	37	—
4	d	62	—

Sort

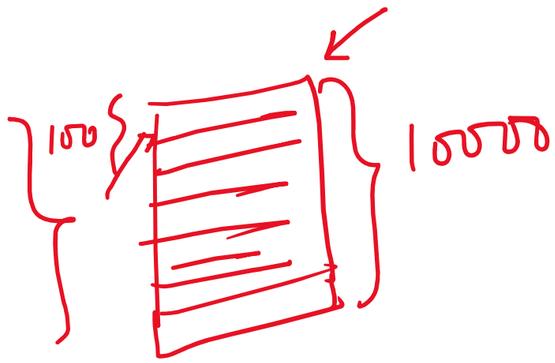
ID	Name	Age	DC
4	d	62	—
1	a	42	—
3	c	37	—

```
SELECT *
FROM patients
WHERE age > 30
ORDER BY age DESC
```

```
SELECT <c1> <c2> ... <ck>
FROM <table>
WHERE <condition>
ORDER BY <ci>, <cj> DESC/ASC
```

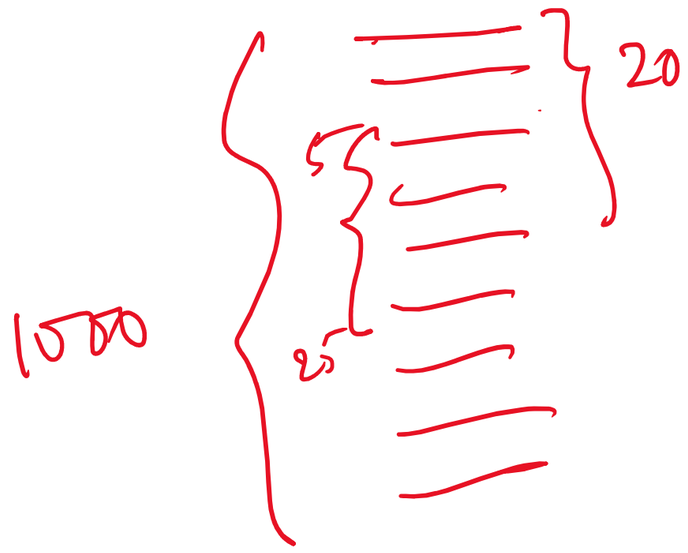
LIMIT & OFFSET

{ SELECT- - -
  FROM - - - -
  WHERE - - -



101 th 200 th

LIMIT 100
OFFSET 5



LIMIT 20
OFFSET 4

Date functions :-

NOW( ) → Current Date-time stamp

DATE( ) → Current Date

DATEDIFF(—, —) →

ALIAS :- <col> <expr> AS <name>

Expression :-

item

ID	Up	Qty	Cost
1	20	100	2000
2	15	22	330
3	100	53	5300
4	25	5	.
5	75	27	.
6	50	32	.

Expression

```
SELECT ID, UP, QTY, (UP*QTY)
FROM item.
```

VID	Name	Purchase ytd	
1	a	200	16.67
2	b	100	8.33
3	c	500	41.67
4	d	400	33.33
		1200	100%

$200/1200 = \left(\frac{1}{6} \times 100\right)\%$

$= 16.67\%$

$\frac{100}{1200} \times 100\% = 8.33\%$

STRING functions :- s = "abcd ijkj"

LENGTH(S) ⟶ returns length of the string.

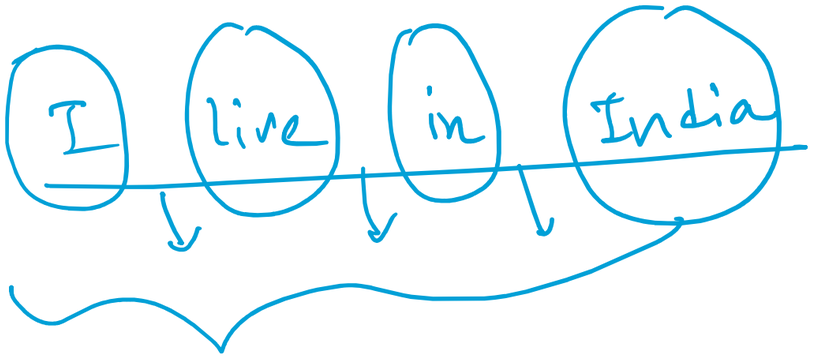
LEFT("I Live in India", 5) ⟶ "I Liv"

RIGHT("I Live in India", 7) ⟶ "n India"

REPLACE("string", "_", "...")

- Column
- the string you want to replace
- the string by which you replace.

REPLACE("I live in India", "India", "USA") → ('I live in USA')



Today is a rainy day

#W = #S + 1 (assuming no consecutive spaces)

(2 Hrs/day)

Length → 23

Sachin | Ramesh | Tendulkar

(23 − 21 = 2) + 1

= 3

REPLACE("Sachin Ramesh Tendulkar", " ", "")

Length("SachinRameshTendulkar") → 21