VIEWS.

⇒ Encapsulates a query.

⇒ No extra space.

⇒ View executes the underlying query whenever we perform any action on view.

⇒ Query behind the view is generally complex.

⇒ Views are generally slow.

MATERIALIZED VIEWS.

↓

Slow. (because the query gets executed everytime).

⇒ Creates a new table for a view

⇒ Extra Space

⇒ faster than regular views.

⇒ Redundancy ⇒ Inconsistency.

⇒ MySQL doesn't support Materialised View.

WINDOW FUNCTIONS.

Aggregation $\Rightarrow$ Combining.

$\qquad \rightarrow$ Aggregate fun^n : AVG | SUM | MIN/MAX ..

$\qquad \rightarrow$ group by

$\Rightarrow$

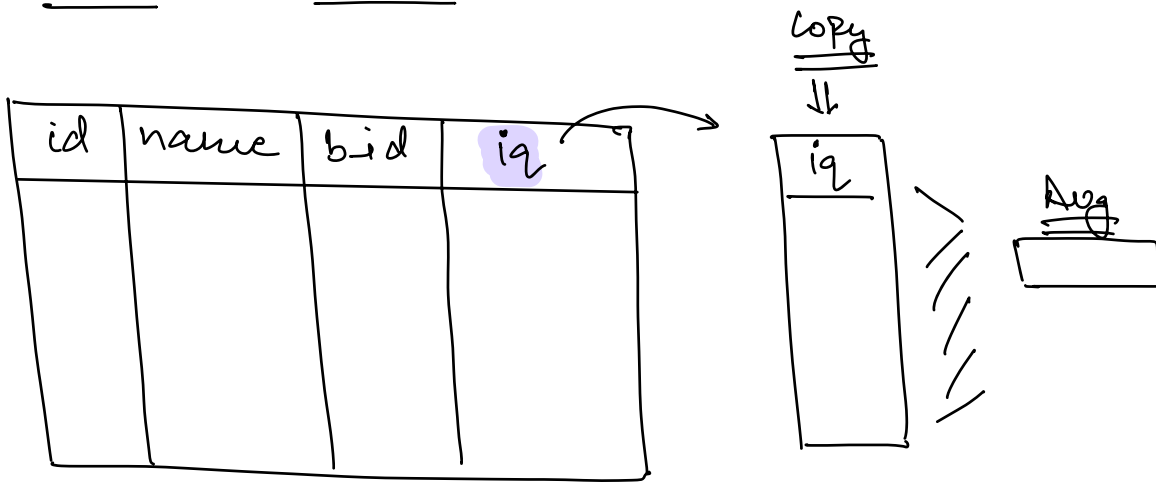| id	name	b-id	iq

Select AVG(iq)
from Students;

Q. Get the id of all the students & avg iq of all the students.

Select id, AVG(iq) $]$ $\times$
from Students;

WINDOW FUNCTIONS.

id	name	bid	iq

Copy

iq

Avg

→ Group by
    ↳ Partitions

OVER.
    ↳ AVG
    ↳ MIN|MAX
    → SUM