Primary Key

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\* Each Table should have only one Primary Key

\* Multiple columns of the same table can have Primary Key

CREATE TABLE example (id int not null , name varchar(15), email\_id varchar(20), CONSTRAINT suman\_orders PRIMARY KEY(id, email\_id));

ALTER TABLE example ADD CONSTRAINT suman\_orders PRIMARY KEY(name);

DESCRIBE example;

 ALTER TABLE example DROP PRIMARY KEY;

DESCRIBE example;

Foreign Key

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CREATE TABLE school (id int not null auto\_increment, location varchar(10), PRIMARY KEY(id), FOREIGN KEY(id) REFERENCES example(id));

Unique

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ALTER TABLE student ADD UNIQUE(email\_id);

JOINS

—-----

1.0 Inner join

2) outer join

3.) left join

4.) right join

**INNER JOIN**

SELECT members.user\_id, members.name FROM members INNER JOIN office ON members.user\_id=office.office\_id;

* It gives us those values which are present in both the tables

**LEFT JOIN**

* A left join fetches the dat from the left table and compares it with right table
* Make left and right tables in your mind
* If the value of two joins which are the common endpoints of two tables are satisfied then a left join is done successfully.

SELECT office.office\_id, members.name FROM members LEFT JOIN office ON members.name=office.name;

SELECT m.user\_id, m.name AS member, o.office\_id, o.name AS office FROM members m LEFT JOIN office o USING(name);

**CROSS JOIN**

SELECT m.user\_id, m.name AS member, o.office\_id, o.name AS office FROM members m CROSS JOIN office o;

* It is the cartesian product of rows of two tables
* Although, the result is gibberish but cross joins have been helpful to get planning data like sales, marketing, business, customer interaction etc.

CLASS TASK----------create two tables for a guvi namely "trainee" and "batches". The "trainee" table is for the information related to thetrainee and "batches" is for batch information.\* Kindly add 10 datas to each tables\* Use unique, not null, auto\_increment PK, FK as required\* No dat aduplication\* Use Joins for th needful