**SQL Notes**

**Note:-** SQL is not case sensitive

**Creating a table**

**Syntax** : crate table TABLE\_NAME(FIELD\_NAME-1,FILED\_NAME-2,FILED\_NAME-3,etc..)

**Inserting values into the table from another value**

**Syntax :** INSERT INTO table\_name ( a,b,c) **select** id, name, description from Table\_Name;

**--creating a table in DataBase**

create table gouse(a,b,c);

**--detele a table in a database**

drop table gouse;

**--deleting a row from a table**

delete from test\_\_1 where a = 4 ;

select \* from test\_\_1;

**--inserting Null values into entire row**

insert into test\_\_1 default values;

**--To perform operation over a filed with NULL value we have to use IS NULL or IS NOT NULL**

select \* from test\_\_1 where a IS NULL;

select \* from test\_\_1 where a is not null;

**--if you want to create a table which doesn't allow null values in it then fallow below described steps**

create table test\_\_3(a not null,b not null,c not null);

**--creating a table with constrains**

create table gouse(a integer not null, b text not null,c text not null);

insert into gouse values (2,'hello','basha'); # quary will execute successfully

insert into gouse values (null,'gousebasha','bablu');

# throws an error that is [10:08:44] Error while executing SQL query on database 'test': NOT NULL constraint failed: gouse.a

**Which is because we’re not providing any value the field which has not null constrain, To over come this Error we can add DEFAULT constrain to the field while creating the table**

**--creating a table with default constrain**

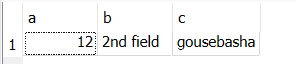
create table gouse\_1(a integer not null default '1st field',

b text not null default '2nd field', c text not null default '3rd field');

insert into gouse\_1 (a,c) values (12,"gousebasha");

select \* from gouse\_1;

**out put of the query will be as shown**

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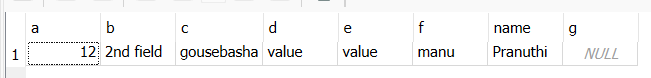
Here even if we don’t provide values to anyone of those filed we won’t get any error, because as have provided default value constrain, we haven’t give any value it will take the value into that particular field which in default constrain

**--adding a column after has been created ( ALTER TABLE TABLE\_NAME ADD C\_NAME DATA TYPE )**

**--the value of newly added column will be null**

alter table gouse\_1 add f text;

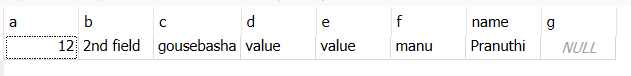
**Output:-**

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**--The value of newly added field will default value**

alter table gouse\_1 add name taxt default "Pranuthi";

**Output:-**

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