## DATA CONSTRAINT:

In sql constraint means the column that impose limit or sustrictions on the table, we of constraints is to build up relaiability structured table. some of the constraints are

JEADATAS SIASS

-NOT NULL: It is constraint put the condition to file the value in the particular column.

- CHECK: It checks the given value if condition is satisfied the value is alloted to column else gives error.

-UNIQUE: It checks the given value should be unique in the column.

- INDEX: Usually Index retrive the nequired

- DEFAULT: If value is not entered in the column its allot, the default declared value.

- PRIMARY KEY: Uniquely identifies each 1000 in a

# create table using the data constraints.

CREATE DATABASE SUBJECTS; USE SUBTECTS!

# create "MARKS" table

CREATE TABLE MARKS (

ID INT NOT NULL,

NAME VARCHAR (30) NOT NULL UNIQUE

PHYSICS INT NOT NULL CHECK (PHYSICS >25)

CHEMISTRY INT NOT NULL 9

MATHS INT NOT NULL,

BIOLOGY INF NOT NULL DEFAULT "ABS",

syntax: "column Name" Datatype" "constraints"

+	,					
IP	NAME	PHYSICS	CHEMISTRY	B10	MATHS	
9-04	d- svinse	rebri j	: المحالة	0	mar -	

L- Below code shows which is purney key DESC MARKS;

# Aust values in the table.

INSERT INTO MARKS VALUES (01, "XYZ", 30, 20, 10, 60) 3 -- below code agives error

INSERT INTO MARKS

VALUES ('02, " XYZ", 15,20);

# 2nd column marne is not unique

# 3rd & 4th column are not satisfying condition # 5th & 6th column should not be rull.

ID NAME PHYSICS CHE MATHS	RID
01 XYZ 30 20 10	60

-- If you want to deep all the constraints

ALTER TABLE MARKS

MODIFY BIOLOGY INT NULL;

ALTER TABLE MARKS

MODIFY MATHS INT NULL;

- ALTER TABLE MARKS

ALTER COLUMN ID INT NULL;

Note: "> " Any of the code can be used

→ ALTER TABLE MARKS

MODIFY PHYSICS INT NULL;

ALTER TABLE MARKS MODIFY CHEMISTRY INT NULL;

ALTER TABLE MARKS
MODIFY VARCHAR (30) NULL;

# Insert values into the column.

INSERT INTO MARKS (ID, NAME, PHYSICS)
VALUES (02, "RAM", 35);

IP	NAME ]	PHYSICS	CHE	MATHS	1310
01	XYZ	30	20	10	60
02	RAM	35	Null	Null	Null.
	611				

suppose for a same amulos be to