(Constraints:

(3) Unique:

Constraints in a database are rules enfonced on data columns to ensure the integrity, accuracy and neliability of the data stoned in the database.

CREATE TARLE Employees (
Employeeth INT PRIMART RESIDENTS

D primary key: (00) AMHOANV Promit (1)

- · ensure each now in a table has a unique identifien.
- · No NUII value allowed

-Geampley Lives

Mot NOLL Constraint:

CREATE TABLE Students StudentID INT PRIMARY KEY,

Name VARCHAR (100) CREATE TRALE TREADERS (

Gromple:

product ID INT PRINNARY (NEY. (3) foreign key:

· Ensures the referential integrity of data in one table to moteh values in another table.

CREATE TABLE Orders (ORDINI INT PRIMARY KEY, CustomerID INT FOREIGN KEY (Contomer ID) REFERENCES Customers (contomer ID)

3 Unique: Ensures all values in a column are unique. borote stab . Allows pheido: Nivel valve. CREATE TABLE Employees (
EmployeeID INT PRIMARY KEY, mail varchar (10) UNIQUE por moning); con aldot o ni con Naco anozno. NULL Constraint: · Ensures a colymphototo that allass a NULL value in Proposed a Null va CREATE TABLE Products (M. productID INT PRIMARY KEY, of elder one ni state Product Name VARCHAR (100) NOT HULL Agionof model values in another table.

CREATE THOLE ORDERS (
CONTOUTD INT PRIMARY WEY,

CONTOURS INT

FULLIAN MEY (Confounds) REFERENCES Customens (Confounds)

(5) cHech:

· Ensures the values in a column meet a specific condition. tobate

Brample: CREATE TABLE Accounts (
AccountID INT PRIMARY KEY,
Balance DECEMAL (10,2),

CHECK (Balance >,0)

);

);

Grandi_

1109

1 Default:

· provides a défault volve fon a column when no volve is spécified.

- Grample:

CREATE TABLE Orders (

OrderID INT PRIMARY KEY,
OrderDate DATE DEFAULT GIBTDATE()

freques the volves in son meet a specific

mary	Poll	Name	Fmail	Address	Age	CHeck
	Para and) ztrous	A 316	AT 274		
	KEY,	120	1	day - Ai	325	
, 1911 d		(101) JAM 7	V M T	According	an said fig.	

	Lib	nany	Foneign
Lary	Book Name	ROII /	Very . +19 c
Primary	sur for a col	thefab	e provides e
x 1 1 1			:Amoso

CHAIL TROLE Orders (...

OrdenID INT PEIMARY KEY!

Order Date DEFAULT (HETDATE()

;(

SELECT Quny:

· (=! <, >, <, >, =) roberto (=, <, >, <, >):

Trobuld trobuld Man + Total +

* selecting all columns:

SELECT * FROM table_name; 70 90 (14) bipol

SELECT * FROM Students WHERE Age>18;

· Anithmotie Operators (+,-, K, ÷, %):

SELECT CSE+ME, CSE-ME, CSE+ME, (CSE+ME)/2

FROM Marks

WHERE ROll = 104;

14 7 2	Marks		
Pall	CSE	ME	
yola	10	20	
102	20	27-40	
103	30	(0	
104	17	10	

DISTINCT:

· Comparison Operator (=, <, >, <, >, !=):

SELECT * FROM Student

WHERE Age >15;

5tudent

	Rell	Age holye
Lumnt, column	i lopl,	10
¿ smorastdot	102	30
	104	40

Logical AND, OR operators:

May * TD3132

SELECT Name

FROM Employeestubots 17297 amous

WHERE salony > good AND Age >24

SELECT + TROM Students WHIME Apr >18;

Employee

	•	7	_	177
1	Name	Solary	Ajé.	Designation
ID	4	10000	12	SATI-SWB
110	Bo	1500	13	Jm. SWE
3	C	2000	24	Tean lead
6	, D.	12000	25	Pa, Marge
5	E	2000	24,	Snn.5WB
ا			1	1

o solecting all columns:

DISTINCT:

SELECT DISTINCT Designation

e (304723), 3114 Test Scheets all the distinct

designation to 1192

FROM MORKS

WHIFE POH = 104 ;

Note:

From Students WHERE 6011 IN (1.3.5) SELECT Name

FROM Employee

ORDER BY Salary ASC;

JASSENDING ORDER BY Salary ASC; LIKE: . To search for a specified pattern in a column. LIMIT 10 | IMIT 59,10

OFFSET 69 | Strobate May + Tolling WHERE Enoil LIVE "Vignaily"; - + wheet should some ling chiajnos

· IN:

SELECT #

FROM Students
WHERE POIL IN (1.3.5) — Select introdents with
Roll number 1.3.5

THATA

NOT IN:

SELECT *

FROM Students

WHERE ROll NOT IN (1,2,3) — select Audents whose members anent

whose prid and the select of the select

LIKE :

- · To search for a specified pattern in a column.
- Trepresents a ningle character.

SELECT! # From students -> select students whose names where Name LIKE 'A''; Start with 'A'

SELECT * from students (2) TIMIL (2) TIMIL

WHERE Enail LIKE 17. gmail 7. ; -> select Audents whose email contains gmail

Listola .

• A3:

used to rename a coloumn or table with an dias.

FROM Students; — Selects the name column but rename it to student Name in the result set.