TRUNCATE:

The bureate command in SQL is used to quickly and efficiently overnous all acus from the table, ebbectively resetting it to an empty state

Que

7

SYNTAX

TRUNCATE TABLE table-name;

Eg: touncate table ITCSEB;

RENAME: (without alter)

to roname the table

SYNTAX

RENAME TABLE Old Table Name To New Table Name

RENAME BOOKS To List of Books.

DROP

BHA

1+ B

+ Al

It is used to delete a dable from

SYNTAX

DROP TABLE Table. Name;

DROP TABLE HR;

RELATIONAL ALGIEBRA (I writ ropic) DL 4 moue Query Language: nesetting ⇒ A Query language is a language In which a user requests intornation from the database. => a Language which is used to store and retrieve data from data base. => JWO types · Procedural Query Language · Non- Porocedural Query Language Procedural Overy Language => user instructs the system to perform a requence of openations on the database to compute the defined result. ew Table Name. > were itells what data to be netrieved from database and how to retroeve it Eg: Relational sugebra Non-Providural Query Language => users describes the desired information un thout giving a specific powedure for obtaing that intermation =) way tells what data to be gretrieved from database but doesn't tell how to ret neve it

Eg: Polational calculus.

Relational Algebra

anguage used on relational mode

Relational calulus:

⇒ conceptual hon-procedural quory language used on relational model.

Relational algebra and calculus are the theorical concepts used on selation model

SQL is a practical implementation of selational algebra and selational calculus.

Relational Algebra

- => procedural query language that works on relational mode.
- =) it tells what data to be netrieved and how to be netrieved
 - 3) Jakes relational as input and generate relation as output.
 - -> It will operators to pertorm quality

-) pelational algebra morks on the whole table at once, so we do not have to me to me to the some the state of data one by one.

RELATIONAL ALGIEBRA - OPERATIONS & Long and me

- & Select -> (0)
- × Project (π)
 - * Rename (P)
 - * union (U)
 - * Intersect (n)
 - * set ditterence (-)
 - * cartesian product(x)
 - * Join (N)
 - * Assignment (+)
 - * Division operator (:)

Join Right outer Join X Full outer Join X Semizoin X

Serect

- a) used to select the required types of data from a relation
- adenoted by sigma (o)

- · o -> selection predicate
- · P > propositional logic (where we specity the conditions may use connectors like.

and , DR and NOT. These relational can we as gelational soperators like =1 \pm , \geq , $\langle -1/2, \rangle$, \leq)

a: · Y -> Yelation. (U) main

Duery: Details of the members who were to

(9) emana

Trace of birth = 21/10/1997 (Member)

			Member Ctable			
W				mem Id	Name	Da
Mento	Name	Dalag	(->) ,	A') ay	136
)	Ajay	21/10/1997	+)19	2		21/1910
3		21/10/1997		3	Ama	21/10/
			1 00	to De	Aksays	6/7/1
				3	Kanchano	-

Quers: Students with age more than 17

Tage >17 (Students)

Query: Select Male students, for which age will greter than 17

Tage > 17 and gender= 'male' (Studi