Generating Design of other traditional Data model

Aim: To generate design of other traditoral database model and implement DDL commands of sal with Examples

Data Definition Language (DDL):-

Definition: - DDL Command are used to define modity or delete the structure of doo database object such as tables.

1) Crepte Tables

Definition: Used to create a new table in dotabase Queing.

892.

CREATE TABLE MOBILE PHONE (Customer 10 INT

mobile VARCHAR (TO):

BRANDVAR CHAR. amount INT

Table created

Output: Tables mobile phone and customers

III DESCRIBE OR DESC Definition: Displays the structure of a table (column names and data types) Quecy:-591. Desc mobile phone;

@ Outrot:-

ID	TNI
mobile	VARCHAR (50)
Brand	NARCHAR (20)
amount	7NT

3. Drop Pable: (Deleter the tables)

Quecy: DROP TABLE Mobile Phone;

Output: Table mobile phone succenfully

4. Alter Table: - (Adds fields in a table)

Query: - Alter table mobile phone ADD modify model , Name VARCHAR (100)

I DNL Queries

* Insect into: (inseret new rows in tables)

Quecy: -

-> INSERT INTO mobile Phone (ID, mobile, Brand, Amount) value (1, 1 Phone, 'Apple ; 1,50,000)

output:-I yow inserted to mobile Phone * SELECT :- (Retieved day from one or more tables) Quecy !-591 SELECT* From . mobile phone

-: tugtuo

ID	wop!/6	Brand	amount
1	realme	Nav 20	30,000
2	regu,	boca	15,000
3	V:10	1200	27,000

* update: (modilies Existing data

Quecy:-

> UPDATE Mobile phone SET of ID = 2 WHERE amount = 20,000;

output !-

I row updated.

* Delete: - (Delete one or more rows tom a table)

Query: -> DELETE FROM mobile phone. WHERE ID : 2;

output: 1 row deleted;

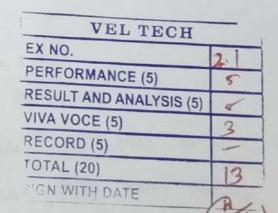
* SELECT: - (Retired specific record that satisfy the conditions)

Quecey:-

> SELECT * FROM Mobile Phone WHERE name = Realme;

Output:

DD	W9P:16	Brand	amount
1	Realme	NOTEO	30,000



Result: - Thus, the DDL and DNL Rammond using my sai has been implemeted successibility.

Date: 15/8/m DIDL and DML commands with

4:m:- To execute DDL and DML commands with constraints for the dotabase pp (Data Definition largulage) - creak, After, prop, Tromade, Rename.

DML (coata mainpulation language) - Insert. update, delete select.

Con straints - primary key, toroign key, NOT null, unique, check, defacit.

1. DDL command by mobile phone Purchasing Database management system:

1.1 CREATE Table

Create table contones (chat 10 IM BUT WEBY KEN CUST Name VARCHAR (50) NOT NULL, Small VARCHAR (100) UNIQUE

CREATE TABLE Mobile Mobile ID INT PRIMARY KEY Brand WARchan (50) NOT MUL, Model VARChas (50) NOT NULL, Price DECIMAL (10,2) CHECK (Price 10),

);

(REATE TABLE Purchase (Purchase 10 INT PRIMARY KEY.

```
cust in not will,
Mobile 10 NOT NULL,
Quantity INT CHECK (Quantily >0)
Purchase Date DATE DEFAUT CORPENT_
                              DATE .
FOREIGN WEY ( CUST 10),
REFERENCES CUSTOMEY (Cost 10),
EQUEICH KEX (wopile 10)
BELEBACE, MOPILO (WORIS 10)
 );
 CREATE TABLE Payment (
   Payment 10 INT PRIMARY KEY.
   purchase DECIMAL UNIQUE,
  Amount DECLMAL (WIL) NOT NULL,
  Payment DATE DEPAULT
  COR RENT - DATE,
     Payment method VAKCHAR (20)
 CHECK (Payment method ID) 'VD' cond';
         Netbanking ', 'cop')).
    FOREIGN HEY (PUYCHOR 10)
  REFERENCES purchase (purchase 10)
 );
```

1.2 ALTER Table

Alter table customer ADD Column Conden

VARCHAR (16);

1.3 TRUNCATE Table

Truncate table Category:

Result:- All rows semared from mobile

table Stucture semains

1.4 RENAME TABLE

Remame Table Purchase to Purchasing;

data base management system:

Insect into user value (121.6373787

Thesect into user value (121.6373787

574', 'Garreth', 'Garreth @gmail.com', Postudin'

"chennai;);

1 row crected

insert into norchane (value (norchane ID, cost, matrile ID, Quantity, purchase Date; VALUES (1, 101, 201, 2, "2025-08-26");

insert into mobile value (1, and and Herr);

inscribed into payment values (999, 111, 2015. -08-14; 8000, rendy) now created inserted into Reviews values (101, 111,711, 2025-08-20:); a) Good brognet of neath it, brognets at : 45 good not and afford to buy : +); now created Values (1000,999) inserted into payment 2025-08-19", completed); Row created Result - Rewards inserted successfully. (2.2) UPDAT E DATA update mobile set email: generl@gmail.com Mobile 19 = 111; APter up dation, Queny LOS select from mobile nane Email Pousword Address phore mobile 1d Gonesh Janesh (homal 63793712 #3 111 @gmail. coma

2.3 DELETE DATA

De lete from payment Details whose naymost

Detail 10 = 1000;

after deletion)

Query;

< 9,02

select * from payment betall

payment De	tail 1d	Payment 1d
1/1		4.99
Moder 1d	Quantity	louce
74	,	30000

2.4 SELECT DATA

used to retrieve information

Query:

select from mobile

Map: 10 10	Name	Describation	Maguer
711	realme	Branded mobile phone	Car. dom

Price	stack	aty	Discount	Category
80000	15	,	5	2

EX NO.	2.2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	-
TOTAL (20)	13
WITH DATE	(CF

Result: - Thos, the DDL and DML commands
too mobile phono purchasing Database
management system was executed
succenfully.