VISA & SIENERATION DEDIGNED OF ALLCR TRAVITIONAL VATABASE MODEL 4/2/25 Aim : the aim of generating to design transitional abbase moders for cornecting real world data into structured formals for experient Stasage, setslevat, and management. " DATA DEFINITION LANGUAGIE CODE): the data definition language (DDL) is used to create and destacy data base and database objects, these commands will reism a size be used by data base administrators during the setup and removal of a database fraject, let's take a look at the structure and usage of four basic PDL commands. I DDL COMMANDS Loata Definition language) Definition: DDL commands age used to define, mostly, as delete the Other of database objects such as tables. 1. CREATE TABLE Definition; used to reate a new table in the database Quesy; 591 CReate TABLE Employee C empidINT EMPNAME VARCHARUCO), Depostment VARCHAR (50) 570 ENTRANCE 991 CREATE TABLE DEPOSTMENT (DEPHIDINT, Dept Name VARCHARLED La Cotton VARCHAR (50)

Table 9 Employee and department oreated successful

2. DEGCRIBE ON DEGC Definition; Displays the stoucture of a table. (calumn names and data type gnesh? 391 DESC Employee 3. DROP TABLE D effinition, Deletes the entirectable structione and all its data, Quesy ; 991 DOOP TABLE EMPloyee! 4, ALTER TABLE Definition; Deletes the entire table structure and an its data, used to add, delete, or modify columns in an existing table, II DML COMMANDS (Data Hanspulation Language) Definition: DML commands are used to manage and menipulate data îngide database tables. 1. INGERT INTO pefinition, inserts new rows into a table, guesy ! INSERT INTO EMPlayee (EMPID, EMPName, Department, Galay) VALLESCI, LAIRE (HR; 50000); INGERTINTO EMPloyee LEMPID, EMPName, DePartment, Salaxy) values (3) chasile, finance; 60000; INSERT INTO EMPloyee CEMPID, EMPNAME, DePortment, salosy) values 13, Eharlie! Finance; 60000) 2, BELECT Definition:

@ PESCRIBEONDEBC outfut: field Type EMPTD INT EMP NAME VARCHAR(180) Depastement VARCHAR(50) Balasy INT Out Put TAble Employee deapped success fully, Output column Joining Data added to Employee.

3 8000 s'insested into employee table,

2. output

Em Emp Name Delastment Salasy

1. Alice HR 50000

DML commands (pala manipulation language).

out put;

Em Emp Name Delastment Galasy

1. Alice HR 50000

2. Bob IT 70000

3. chasie Finance 60000

I tow uport at, After update; 991 SELECT & Som Employees De Yarsement Salasy EMPID EMPLAME 50000 Alice HR 75000. IT Bob chaptie ffnance. 60000 w output; 1 sow deleted, ATTES Delate: 591 salu 1 SELECT * FROM EMPloyee! EMPhase DePartment Galaxy 2 Bob 75000 chastie finance 60000 out Put: Em EMVAME Defarem 5 alaxy PTD 2 Bab 750 00

(2)

3

Old Pid

miz

Definition; Retoi enes specific seconds that satisfy the longition, 991 SELECT * FROM EMPloyee WHARE DEPOSTMENT = I'T! VEL TECH PERFORMANCE (5) Result? The tack to oscate, delete and alter the table one executed successfully,

query;

991

3. UPDATE

onesy.

591

4, DELETE;

auery! 991

SELECT & PRIOH EMPlayer.

Definition: Modifies existing data in a table,

Defination; Deletes one as more sows from a table,

DELETE FROM EMPloyEE WHERE EMPIDEI

5, Stlect with where clause

uppart Employee set galaxy=75000 WHERE EMPNAME=1804

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Aun . TO use DDL (Data befinition language) and OMI I bata manipulation Language commands with constraints for exacting madelying, and managing totalase structures, while ensuring tata hat egistly and consistency.

1. DDL commands too hatelmanagement system

1.1 CREATETABLE CREATE TABLE Partient C Patient ID INTPRIMARY NEY, Patient Name VAR (HAR 150) NOT NULL

Gender (HAR () (HECK (Gender IN (M, 7))) Age IN CHIK (Age >0) CONTACT NUMBER VARCHAR (15) UNIQUE Address VARCHAR 400)

DOCTOR ID INT PRIMARY KEY, * Doct or name NAR (HAR (50) NOT NUL specialization varic HAR150) Phone number VARCHAR (15) UNI QUE 71

CRAATETABLE DOCTOOL

CREATE TABLE APPOINTMENT! APPOINTMENT INTPRIMARY HEY Patient ID INT NOT WULL, DoctorED INT NOT NUIL,

APPOINTMENT Date DATE DEFAULT CURRENT-DATE, Diagnosig varchar (200), FOREIGY HEY Classent ID) REFERENCES Patient Chatient ID, Constanting to the contraction of the contraction o select from DUPAPATHEAT - BE FORCE PORPORTING After FOR 57 W-10 101 69 t

ECE

102

103

3

TI Select & from student - - after Persimargus that 5 No stuth gtu Name stu deb STuphino 5Ty +mal chandu 102 Male 11 NUI Nighile 2, female Nu 2 103

ALTORTABLE Patient HODIFY CONTROL Number VARCHAR 120 1/3 TRUNCATE TABLE: TRUNKATE TABLE APPOINTMENT Result : All sows semoved from appointment table, structure semins, LIGRENAMETABLE RENAME TABLE Pottent to Pottents. 2. DML Commands for Hospital Management system 2,1 INSERT Data INSERT INTO Patients (Rationt ID, Patient Name, Gentes, Age, Contactiumber, Address, Emoil) VALUES (1, John Doe, M, 35, 19876543210, New Delhi, Tohn @ Jama) o com). INGERT INTO DOCTORS (DOCTORED, DOCTORNAME, SPECIALIZATION, Phone numb (20) VALUES (101,108, Meson, showna!, condictorist, 9123456789). INSERT INTO APPOINTMENT (APPOINTMENT ID, PotientID, Doctoir) Appoidment Data, Diagnosis) VALUES (1001, 1,101, 2025 08-15; MIH dest point); hesut : Records inserted successfully uPDATE pota uppart patient SETAJE = 36. Adverss; Mumbai wHere rethent ID =1; Resut :-John Doe's age widated to 36 and address changed to marimble DELETE DATA: DELETE FROM APPaintment

IN ACTER TABLE:

ATTER TABLE APPartient ADD Email UARCHARICSO).

Select & from STUDENTS - After inserting values

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5+ u- 1/4	SIL DOPA	STU- SEPAR	574-Phip	STU-EMU
RAVI ANGA SUKESa	102 101 101	MALE FEMALE		NUI Veltech@gmal Veltech@gwy

th

WHERE APPOrtment ID = boly

RESULT: Appointment with ID Idal deleted

SELECT DATA

BELEET PiPatient Name, a Doctors NAME, a , APPointment Dalaa, Diagnasis from APPointment,

DEPLID	Dept. Nome	
101	cs6	
102	ECE	
103	IT	

PERFORMANCE (S)

RESULT AND ANALYSIS (S)

PECORD (S)

TUTAL (28)

I W TH DATE

III DR 135ATC

Hus, DDL and DML. Commands in sal along with up DATE, DEL and SELECT is implemented successfully,