Primary and Foreign Kuy

Buimary Key (PK): Of proimary Key is a unique column we set in a table to easy Identify and locate data in queses

3hould be unique and NOT NOLL.

Foreign Keys (FK):

- OA foreign key is a column used to link two
- O Atable com have any number of foreign Neys, com contain duplicate and well values.

Constraints one used to specify only fordate in a table.

This ensures the accuracy and vieliability of the data in the table.

Constraints com be specified when the table;

created with the CREATE TABLE statement, or

> after the lable is created with the ALTER

CREATE TABLE teable - name (

column 1 datatype constraint,

column 2 datatype constraint,

column 3 datatype constraint,

Commonly used constraints in SOL.

ONOTNULL - Ensures that a column cannot have a

OUNIQUE - Ensures And all values in a column are different.

O PRIMARY KEV: A combination of a NOTNULL and UNIQUE.

O FOREIGN KEY: Prevents actions that would destroy links between fables (used to link multiple fables together).

OCHECK - Ensures that the values in a column satisfies a specific condition.

O DEFAULT - Sets a default value for a column if no value is specified.

O CREATE INDEX - Used to create and retrieve data from the database very quickly

Creating Database & Talles Creak Table The CREATE TABLE statement is used to enoute a new table in a database. · Syntax CREATETABLE table-name column_name I datatype constraint, column_name 2 datatype constraint, column-names datatype constraint, · Example. CREATE TABLE customer (EustID int8 PRIMARY KEY CustName varchaer (50) NOT NULL, Age int NOTNULL, City char(50), Salary numeric Insent, Update, Delete Values in & Truncate Table Insert Values In Table Synfax INSERT INTO TABLE_NAME (columns, column 2, column 3, ... column N) (value), value 2, value 3, ... Valuer) Excrople. INSERT INTO customer (CustID, custNorne, Age, City, Salary) VALUES (1,1 Riya1, 20,1 Kolkata ,9000), (2, Poiya1,25, Delai, 11000), (3, 'Amit', 22, Mumbail, 6000);

Update Values In Table UPDATE command is used to update existing rows in a table. Syntax UPDATE TABLE - NAME SET "Column - norme I" = "Value I", (Column-norme 2) value 2 WHERE "ID" = Value! Example UPDATE customer SET CustName = 'Xam', Age = 32 WHERE CONSTIDE 4; Alter Table The ALTER TABLE statement is used to add, delle or modify columns in on existing table. ALTER TABLE - ADD Column Syntax ALTER TABLE table-name ADD COLUMN column-name; ALTER TABLE - DROP COLUMN SYNTAX ALTER TABLE table-name DROP COLUMN column-name; ALTER TABLE -ALTER/MODIFY COLUMN SYMMEX ALTER TABLE table-morne MODIFY COLUMN column-nome datatype; Example, ADD Column Syntax: Adding new Gender column to customer table. ALTER TABLE customer ADD COLUMN Gender varchar (IO); ALTER / MODIFY COLUMN Syntax: changing Gender com

data type from vorschar (10) to char (10)

ALTER COLUMN Gender char (10):

ALTER TABLE customer

DROP COLUMN Synta : Deleting Geneler column from austimer table. ALTER TABLE Customer DROP COLUMN Gender;

Delete Values In Table

The DELETE statement is used to delete existing occord in a table.

DELETE FROM table_norme WHERE condition; Example

DELETE FROM customer WHERE CUSTID = 3;

Drop 2 Fourcate Table

The DROP TABLE command deletes a table in the database.

Syntax.

DROP TABLE table-name;

The TRUNCATE TABLE command deletes the data inside a table, but not the table itself.

TRUNCATE TABLE table nome: