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| **1. DataBase Created(assignments)** |  |

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| create database assignments; |
| use assignments; |
|  |
| **2. Create the tables from ConsolidatedTables.sql and enter the records as specified in it.** |
| **-- countries Table --** |
| create table countries (name varchar(50), population integer, capital varchar(25)); |
| INSERT INTO countries VALUES("China",1382,"Beijing"), |
| ("India",1326,"Delhi"), |
| ("United States",324,"Washington D.C."), |
| ("Indonesia",260,"Jakarta"), |
| ("Brazil",209,"Brasilia"), |
| ("Pakistan",193,"Islamabad"), |
| ("Nigeria",187,"Abuja"), |
| ("Bangladesh",163,"Dhaka"), |
| ("Russia",143,"Moscow"), |
| ("exico",128,"Mexico City"), |
| ("Japan",126,"Tokyo"), |
| ("Philippines",102,"Manila"), |
| ("Ethiopia",101,"Addis Ababa"), |
| ("Vietnam",94,"Hanoi"), |
| ("Egypt",93,"Cairo"), |
| ("Germany",81,"Berlin"), |
| ("Iran",80,"Tehran"), |
| ("Turkey",79,"Ankara"), |
| ("Congo",79,"Kinshasa"), |
| ("France",64,"Paris"), |
| ("United Kingdom",65,"London"), |
| ("Italy",60,"Rome"), |
| ("South Africa",55,"Pretoria"), |
| ("Myanmar",54,"Naypyidaw"); |
|  |
| **B- Add a couple of countries of your choice** |
| INSERT INTO countries VALUES("NEPAL",3,"Kathmandu"); |
|  |
| **C- Change ‘Delhi' to ‘New Delhi'** |
| SET SQL\_SAFE\_UPDATES = 0; |
| UPDATE countries |
| SET capital ="New Delhi" |
| WHERE name = "India"; |
|  |
| **4- Rename the table countries to big\_countries .** |
| select\* from countries; |
| ALTER TABLE countries RENAME big\_countries; |
| select\* from big\_countries; |
|  |
| **5-Create the following tables. Use auto increment wherever applicable** |
| **CREATE TABLE Products (product\_id SERIAL PRIMARY KEY,** |
| product\_name VARCHAR(50) NOT NULL UNIQUE, |
| description VARCHAR(250), |
| supplier\_id INTEGER); |
|  |
| **CREATE TABLE Suppliers(supplier\_id SERIAL PRIMARY KEY,** |
| supplier\_name VARCHAR(50), |
| location VARCHAR(200)); |
|  |
| **CREATE TABLE Stock(id SERIAL PRIMARY KEY,** |
| product\_id INTEGER NOT NULL, |
| balance\_stock INTEGER); |
|  |
| **Enter some records into the three tables.** |
| INSERT INTO Products(product\_name, description, supplier\_id) |
| VALUES |
| ('IPhone', 'IPhone is the best', 2), |
| ('Redmi', 'Redmi is the best', 7), |
| ('Samsung', 'Samsung is the best', 6), |
| ('Iball', 'Iball is the best', 4), |
| ('Sony', 'Sony is the best', 1); |
|  |
| INSERT INTO Suppliers(supplier\_name, location) |
| VALUES |
| ('Gary', 'CA'), |
| ('David', 'NY'), |
| ('Wil', 'OR'), |
| ('Smith', 'IL'), |
| ('Bruce', 'IN'); |
|  |
| INSERT INTO Stock(product\_id, balance\_stock) |
| VALUES |
| (2,45), |
| (7,25), |
| (1,82), |
| (5,12), |
| (3,47); |
|  |
| **-- Modify the supplier table to make supplier name unique and not null.--** |
| ALTER table suppliers |
| modify supplier\_name varchar(60) NOT NULL UNIQUE; |
|  |
| **Modify the emp table as follows--** |
| **a. Add a column called deptno** |
| **b. Set the value of deptno in the following order** |
| **deptno = 20 where emp\_id is divisible by 2** |
| **deptno = 30 where emp\_id is divisible by 3** |
| **deptno = 40 where emp\_id is divisible by 4** |
| **deptno = 50 where emp\_id is divisible by 5** |
| **deptno = 10 for the remaining records.** |
|  |
| -- emp table -- |
| CREATE TABLE emp( |
| emp\_no int(11) NOT NULL, |
| birth\_date date NOT NULL, |
| first\_name varchar(14) NOT NULL, |
| last\_name varchar(16) NOT NULL, |
| gender enum('M','F') NOT NULL, |
| hire\_date date NOT NULL, |
| salary float(8,2) DEFAULT 7850.00 |
| ) ; |
|  |
| INSERT INTO emp VALUES (10012,'1960-10-04','Patricio','Bridgland','M','1992-12-18',3475.00),(10013,'1963-06-07','Eberhardt','Terkki','M','2020-02-23',7850.00); |
|  |
| drop table emp; |
| select\* from emp; |
|  |
| ALTER TABLE emp ADD COLUMN deptno int; |
| UPDATE emp SET deptno = ( CASE |
| WHEN (emp\_no % 2) THEN 20 |
| WHEN (emp\_no % 3) THEN 30 |
| WHEN (emp\_no % 4) THEN 40 |
| ELSE 10 |
| END); |
|  |
| **9- Create a unique, index on the emp\_id column** |
| CREATE UNIQUE INDEX uni\_index ON emp(emp\_no); |
|  |
| **10- Create a view called emp\_sal on the emp table by selecting the following fields in the order of highest salary to the lowest salary.** |
| select emp\_no,first\_name,last\_name,max(salary) from emp |
| Group By emp\_no |
| order by salary DESC; |