

SQL- SET 1

1. create a database called '**assignment**' (Note please do the assignment tasks in this database)
2. Create the tables from ConsolidatedTables.sql and enter the records as specified in it.
3. Create a table called **countries** with the following columns
name, population, capital

- choose appropriate datatypes for the columns

a) Insert the following data into the table

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
Mexico	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

c) Change 'Delhi' to 'New Delhi'

4. Rename the table countries to big_countries .
5. Create the following tables. Use auto increment wherever applicable
 - a. Product
product_id - primary key
product_name - cannot be null and only unique values are allowed
description
supplier_id - foreign key of supplier table

b. Suppliers

supplier_id - primary key

supplier_name

location

c. Stock

id - primary key

product_id - foreign key of product table

balance_stock

6. Enter some records into the three tables.

7. Modify the supplier table to make supplier name unique and not null.

8. 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.

9. Create a unique index on the emp_id column.

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.

emp_no, first_name, last_name, salary