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## Assingment-1

Q.1 Write a SQL statement to create a simple table countries including columns country\_id, country\_name and region\_id which already exist.

\*\*\*\*\*Q2 is created by dropping existing table countries.

Q.2 Write a SQL statement to create a simple table countries including columns country\_id,country\_name and region\_id.

\*\*\*\*\* Difference between create table if not exist and create table is summarised below:

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Q3. Write a SQL statement to create the structure of a table dup\_countries similar to countries.

Q.4 Write a SQL statement to create a duplicate copy of countries table including structure and data by name dup\_countries.

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Q.5 Write a SQL statement to create a table named countries, including country\_id, country\_name and region\_id and make sure that no duplicate data against column country\_id will be allowed at the time of insertion.

## \*\*\* Using NOT NULL and UNIQUE

```
cdac=# create table countries(country id integer not null unique, country name varchar(50), region id varchar(20));
CREATE TABLE
cdac=# select * from countries;
country_id | country_name | region_id
-----
(0 rows)
cdac=# insert into countries values(1,'India','IN'),(1,'America','AM');
ERROR: duplicate key value violates unique constraint "countries country id key"
DETAIL: Key (country id)=(1) already exists.
**** Using primary key
cdac=# create table countries(country id integer, country name varchar(50), region id varchar(20), primary key(country id));
CREATE TABLE
cdac=# select * from countries;
country_id | country_name | region_id
-----
(0 rows)
cdac=# insert into countries values(1,'India','IN'),(1,'America','AM');
ERROR: duplicate key value violates unique constraint "countries pkey"
DETAIL: Key (country id) = (1) already exists.
```