Q1—Write a SQL statement to create a simple table countries including columns country\_id, country\_name and region\_id which already exist.

Ans –

CREATE TABLE IF NOT EXISTS countries (country\_id integer, country\_name char,region\_id varchar);

NOTICE: relation "countries" already exists, skipping

CREATE TABLE

Q2— Write a SQL statement to create a simple table countries including columns country\_id,country\_name and region\_id.

Ans—

create table countries(country\_id integer, country\_name char(20),region\_id varchar);

CREATE TABLE

cdac\_22=# \d countries

Table "public.countries"

Column | Type | Collation | Nullable | Default

--------------+-------------------+-----------+----------+---------

country\_id | integer | | |

country\_name | character(20) | | |

region\_id | character varying | | |

cdac\_22=# insert into countries values (1,'India','India001');

INSERT 0 1

cdac\_22=# select \* from countries

cdac\_22-# ;

country\_id | country\_name | region\_id

------------+----------------------+----------------------

1 | India | India001

(1 row)

cdac\_22=#

Q.3— Write a SQL statement to create the structure of a table dup\_countries similar to countries.

Ans—

cdac\_22=# create table if not exists dup\_countries(like

countries);

CREATE TABLE

cdac\_22=# select \* from dup\_countries;

country\_id | country\_name | region\_id

------------+--------------+-----------

(0 rows)

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

Ans— cdac\_22=# create table if not exists dup\_countries(like countries);

CREATE TABLE

cdac\_22=# insert into dup\_countries (select \* from countries);

INSERT 0 1

cdac\_22=# select \* from dup\_countries

cdac\_22-# ;

country\_id | country\_name | region\_id

------------+----------------------+----------------------

1 | India | India001

(1 row)

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.

Ans—

cdac\_22=# create table countries(country\_id integer primary key, country\_name char(20),region\_id varchar);

CREATE TABLE

cdac\_22=# insert into countries values(1,'india','IND001');

INSERT 0 1

cdac\_22=# insert into countries values(2,'england','ENG002');

INSERT 0 1

cdac\_22=# select \* from countries

cdac\_22-# ;

country\_id | country\_name | region\_id

------------+----------------------+-----------

1 | india | IND001

2 | england | ENG002

(2 rows)

cdac\_22=# insert into countries values(2,'Norway','NOR003');

ERROR: duplicate key value violates unique constraint "countries\_pkey"

DETAIL: Key (country\_id)=(2) already exists.

cdac\_22=#