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

data\_collection\_assg1=# create table if not exists countries(country\_id varchar(10),country\_name text,region\_id integer);

NOTICE: relation "countries" already exists, skipping

CREATE TABLE

Output:

data\_collection\_assg1=# \d

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

(1 row)

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

data\_collection\_assg1=# create table countries(country\_id varchar(10),country\_name text,region\_id integer);

CREATE TABLE

Output:

data\_collection\_assg1=# \d

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

(1 row)

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

data\_collection\_assg1=# create table dup\_countries as select \* from countries with no data;

CREATE TABLE AS

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

data\_collection\_assg1=# create table if not exists dup\_countries as select \* from countries;

NOTICE: relation "dup\_countries" already exists, skipping

CREATE TABLE AS

Output:

data\_collection\_assg1=# \dt

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

public | dup\_countries | table | postgres

(2 rows)

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.

data\_collection\_assg1=# Alter table countries

data\_collection\_assg1-# ADD CONSTRAINT constraint\_name

data\_collection\_assg1-# PRIMARY KEY(country\_id);

ALTER TABLE

Output:

data\_collection\_assg1=# \d countries

Table "public.countries"

Column | Type | Collation | Nullable | Default

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

country\_id | character varying(10) | | not null |

country\_name | text | | |

region\_id | integer | | |

Indexes:

"constraint\_name" PRIMARY KEY, btree (country\_id)