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

postgres=# create database assignment\_1

postgres-# ;

CREATE DATABASE

postgres=# \c assignment\_1

You are now connected to database "assignment\_1" as user "postgres".

assignment\_1=# create table countries ("country\_id" integer , "country\_name" text, "region\_id" integer);

CREATE TABLE

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

assignment\_1=# create table if not exists countries ("country\_id" integer , "country\_name" text, "region\_id" integer);

NOTICE: relation "countries" already exists, skipping

CREATE TABLE

assignment\_1=# \d

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

(1 row)

assignment\_1=# \d countries

Table "public.countries"

Column | Type | Collation | Nullable | Default

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

country\_id | integer | | |

country\_name | text | | |

region\_id | integer | | |

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

assignment\_1=# create table dup\_countries as table countries with no data;

CREATE TABLE AS

assignment\_1=# \d dup\_countries

Table "public.dup\_countries"

Column | Type | Collation | Nullable | Default

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country\_id | integer | | |

country\_name | text | | |

region\_id | integer | | |

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

assignment\_1=# create table dup2\_countries as table countries;

SELECT 3

assignment\_1=# select \* from dup2\_countries

assignment\_1-# ;

country\_id | country\_name | region\_id

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1 | India | 45

2 | Germany | 55

3 | France | 56

**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.**

assignment\_1=# create table countries ("country\_id" integer primary key , "country\_name" text, "region\_id" integer);

CREATE TABLE

assignment\_1=# insert into countries(country\_id, country\_name, region\_id)

assignment\_1-# values (1,'USA',15);

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

DETAIL: Key (country\_id)=(1) already exists.