Assignment 2

1. **Write a SQL statement to create a table named jobs including columns job_id, job_title, min_salary and max_salary, and make sure that, the default value for job_title is blank and min_salary is 8000 and max_salary is NULL will be entered automatically at the time of insertion if no value assigned for the specified columns.**

   create table jobs (job_id integer primary key , job_title varchar(20) default '' , min_salary integer default 8000 , max_salary integer default null);

   ```
   cdac1=# \d jobs
               Table "public.jobs"
      Column   |     Type         | Collation | Nullable |      Default
   ------------+---------------------+-----------+----------+---------------------
    job_id    | integer           |           | not null |
    job_title | character varying(20) |       |          | ''::character varying
    min_salary | integer          |           |          | 8000
    max_salary | integer          |           |          |
   Indexes:
       "jobs_pkey" PRIMARY KEY, btree (job_id)
   ```

2. **Write a SQL statement to create and insert a record into the table countries to ensure that, at country_id and the region_id combination will be entered once in the table.**

   ```
   cdac1=# create table countries2(country_id integer, country_name char(20), region_id int ,
   primary key (country_id,region_id));
   CREATE TABLE
   cdac1=# \d countries2
               Table "public.countries2"
      Column    |   Type      | Collation | Nullable | Default
   -------------+--------------+-----------+----------+---------
    country_id   | integer      |          | not null |
    country_name | character(20) |         |          |
    region_id    | integer      |          | not null |
   Indexes:
       "countries2_pkey" PRIMARY KEY, btree (country_id, region_id)
   ```

1. **Write a SQL statement to create and insert records into the table countries to ensure that the country_id column will not contain any duplicate data and this will be automatically incremented and the column country_name will be filled up by 'N/A' if no value assigned to that column.**

```
cdac1=# create table countries3(country_id serial primary key , country_name char(20)
default 'N/A', region_id int );
CREATE TABLE


cdac1=# \d countries3
                    Table "public.countries3"
   Column    |    Type     | Collation | Nullable |                 Default
-------------+-------------+-----------+----------+-------------------------------------------
 country_id  | integer     |           | not null | nextval('countries3_country_id_seq'::regclass)
 country_name| character(20)|          |          | 'N/A'::bpchar
 region_id   | integer     |           |          |
Indexes:
    "countries3_pkey" PRIMARY KEY, btree (country_id)
```