Q1. 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.

assignment1=# create table jobs(job\_id integer not null,job\_title varchar(100),min\_salary integer default 8000,max\_salary integer default null);

CREATE TABLE

assignment1=# \d

List of relations

Schema | Name | Type | Owner

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

public | jobs | table | postgres

(1 row)

assignment1=# \d+

List of relations

Schema | Name | Type | Owner | Persistence | Access method | Size | Description

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

public | jobs | table | postgres | permanent | heap | 0 bytes |

(1 row)

assignment1=# table jobs;

job\_id | job\_title | min\_salary | max\_salary

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

(0 rows)

assignment1=# insert into jobs (job\_id,j0b\_title,max\_salary) values (1,'tech',5000);

ERROR: column "j0b\_title" of relation "jobs" does not exist

LINE 1: insert into jobs (job\_id,j0b\_title,max\_salary) values (1,'te...

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assignment1=# insert into jobs (job\_id,job\_title,max\_salary) values (1,'tech',5000);

INSERT 0 1

assignment1=# table jobs;

job\_id | job\_title | min\_salary | max\_salary

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

1 | tech | 8000 | 5000

(1 row)

assignment1=# insert into jobs (job\_id,job\_title,min\_salary) values (1,'tech',65000);

INSERT 0 1

assignment1=# table jobs;

job\_id | job\_title | min\_salary | max\_salary

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

1 | tech | 8000 | 5000

1 | tech | 65000 |

(2 rows)

Q2. 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.

assignment1=# create table countries(country\_id integer not null,region\_id integer not null);

CREATE TABLE

assignment1=# insert into countries(country\_id,region\_id) values (1,2);

Q3. 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.

assignment1=# create table countries(country\_id serial primary key,country\_name varchar(100) default 'N/A');

assignment1=# insert into countries(country\_name) values ('india');

assignment1=# insert into countries(country\_id) values(3);