

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..

```
Create table jobs(
    job_id serial,
    job_title varchar(20) default null,
    min_salary float default 8000,
    max_salary float default null)
```

```
;
```

```
select * from jobs;
```

```
job_id | job_title | min_salary | max_salary
-----+-----+-----+-----
1 | manager | 8200 | 16000
(1 row)
```

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.

```
create table countries(
    country_id varchar(6) primary key,
    region_id varchar(6) UNIQUE
)
```

```
insert into countries(country_id,region_id) values(001,400079),(001,400086);
```

ERROR: duplicate key value violates unique constraint "countries_pkey" DETAIL: Key (country_id)=(1) already exists. SQL state: 23505

```
insert into countries(country_id,region_id) values(001,400079),(002,400086);
```

```
country_id | region_id
-----+-----
1 | 400079
2 | 400086
(2 rows)
```

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.

```
create table country(
    country_id serial unique,
    country_name varchar(20) default 'N/A'
);
```