**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 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

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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

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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'

);