**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.**

dbms\_ass1=# create table jobs(job\_id int NOT NULL,job\_title varchar(20) default '',min\_salary int default 8000,max\_salary int default NULL);

CREATE TABLE

dbms\_ass1=# \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 | | |

**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.**

dbms\_ass1=# create table countries(country\_id int,country\_name varchar(20),region\_id int,primary key(country\_id,region\_id));

CREATE TABLE

dbms\_ass1=# \d countries;

Table "public.countries"

Column | Type | Collation | Nullable | Default

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

country\_id | integer | | not null |

country\_name | character varying(20) | | |

region\_id | integer | | not null |

Indexes:

"countries\_pkey" PRIMARY KEY, btree (country\_id, region\_id)

dbms\_ass1=# insert into countries(country\_id,country\_name,region\_id) values (1,'India',100),(2,'Eng',200),(3,'Aus',300);

INSERT 0 3

dbms\_ass1=# select \* from countries;

country\_id | country\_name | region\_id

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

1 | India | 100

2 | Eng | 200

3 | Aus | 300

(3 rows)

dbms\_ass1=# insert into countries(country\_id,country\_name,region\_id) values (1,'NZ',100);

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

DETAIL: Key (country\_id, region\_id)=(1, 100) already exists.

**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.**

dbms\_ass1=# create table countries(country\_id serial NOT NULL,country\_name varchar(20) default 'N/A',region\_id int,primary key(country\_id));

CREATE TABLE

dbms\_ass1=# \d countries;

Table "public.countries"

Column | Type | Collation | Nullable | Default

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

country\_id | integer | | not null | nextval('countries\_country\_id\_seq'::regclass)

country\_name | character varying(20) | | | 'N/A'::character varying

region\_id | integer | | |

Indexes:

"countries\_pkey" PRIMARY KEY, btree (country\_id)