**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?

assignment=# create table job(job\_id integer,job\_title varchar default ' ',min\_salary integer default 8000,max\_salary integer default null)

assignment-# ;

CREATE TABLE

assignment=# \d job

Table "public.job"

Column | Type | Collation | Nullable | Default

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

job\_id | integer | | |

job\_title | character varying | | | ' '::character varying

min\_salary | integer | | | 8000

max\_salary | integer | | |

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.

assignment=# create table countries(country\_id integer not null,region\_id integer not null,country\_name varchar(40),primary key(country\_id,region\_id));

CREATE TABLE

assignment=# \d countries

Table "public.countries"

Column | Type | Collation | Nullable | Default

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

country\_id | integer | | not null |

region\_id | integer | | not null |

country\_name | character varying(40) | | |

Indexes:

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

assignment=# insert into countries values(501,185,'INDIA');

INSERT 0 1

assignment=# select \* from countries;

country\_id | region\_id | country\_name

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501 | 185 | INDIA

(1 row)

3.

postgres=# create table countries2(country\_name varchar(20) default 'N/A',country\_id serial primary key,region\_id integer)

postgres-# ;

CREATE TABLE

postgres=# \d countries2

Table "public.countries2"

Column | Type | Collation | Nullable | Default

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

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

country\_id | integer | | not null | nextval('countries2\_country\_id\_seq'::regclass)

region\_id | integer | | |

Indexes:

"countries2\_pkey" PRIMARY KEY, btree (country\_id)

postgres=# insert into countries2(country\_name) values('INDIA');

INSERT 0 1

postgres=# table countries2;

country\_name | country\_id | region\_id

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

INDIA | 1 |

(1 row)

postgres=# insert into countries2 (country\_id) values(3);

INSERT 0 1

postgres=# table countries2;

country\_name | country\_id | region\_id

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

INDIA | 1 |

| 2 |

N/A | 3 |

(3 rows)

postgres=# insert into countries2(region\_id) values(123);

ERROR: duplicate key value violates unique constraint "countries2\_pkey"

DETAIL: Key (country\_id)=(3) already exists.

postgres=# insert into countries2(region\_id) values(789);

INSERT 0 1

postgres=# table countries2;

country\_name | country\_id | region\_id

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

INDIA | 1 |

| 2 |

N/A | 3 |

N/A | 4 | 789

(4 rows)