**DATA COLLECTION AND DBMS (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.

Output:

create table jobs(job\_id varchar(5),job\_title varchar(5),min\_salary numeric,max\_salary numeric);

insert into jobs(job\_id,min\_salary,max\_salary) values(1,8000,NULL);

select \* from jobs;

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

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1 | | 8000 |

1. 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.

Output:

create table countries(country\_id varchar(10),country\_name varchar(5),region\_id numeric,Primary Key(country\_id,region\_id));

insert into countries values(123,'India',1234);

insert into countries values(562,'USA',500);

select \* from countries;

country\_id | country\_name | region\_id

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123 | India | 1234

562 | USA | 500

1. 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.

Output:

create table countries(country\_id serial,country\_name varchar(10) default 'N\A',region\_id numeric,primary key(country\_id));

insert into countries values(100,'USA',110) ;

select \* from countries;

country\_id | country\_name | region\_id

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100 | USA | 110

insert into countries(region\_id) values(120);

select \* from countries;

country\_id | country\_name | region\_id

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

100 | USA | 110

1 | N\A | 120

insert into countries(region\_id) values(130);

select \* from countries;

country\_id | country\_name | region\_id

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100 | USA | 110

1 | N\A | 120

2 | N\A | 130