INSERT

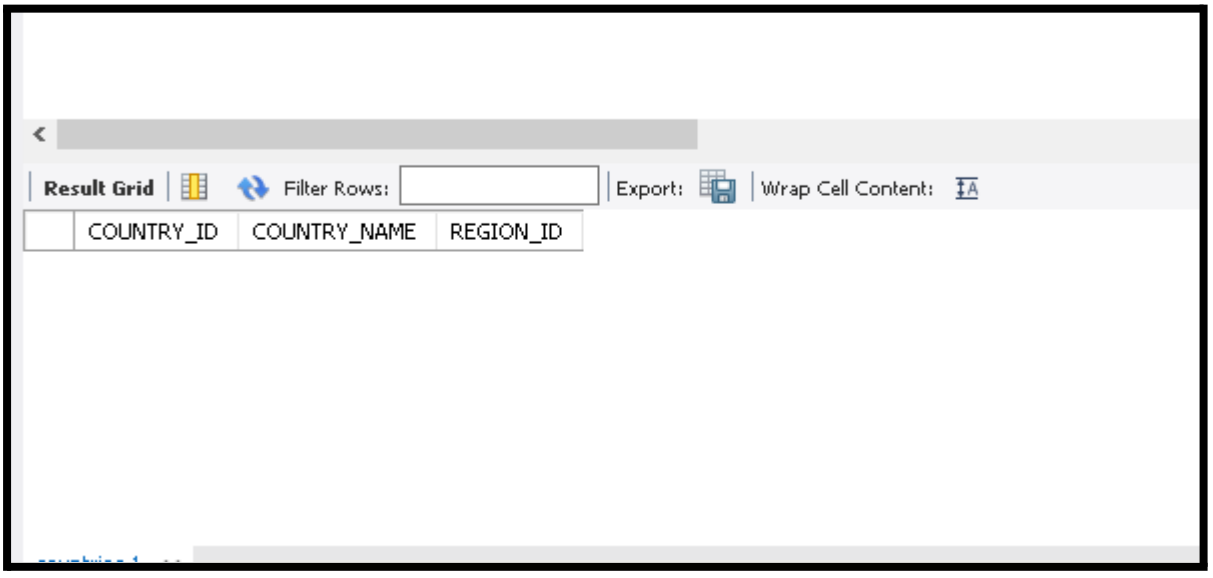
---

1. Write a SQL statement to insert a record with your own value into the table countries against each column.

Here in the following is the structure of the table countries.

```
+--------------+---------------+------+-----+---------+-------+
| Field        | Type          | Null | Key | Default | Extra |
+--------------+---------------+------+-----+---------+-------+
| COUNTRY_ID   | varchar(2)    | YES  |     | NULL    |       |
| COUNTRY_NAME | varchar(40)   | YES  |     | NULL    |       |
| REGION_ID    | decimal(10,0) | YES  |     | NULL    |       |
+--------------+---------------+------+-----+---------+-------+
```

```
create table countries(
COUNTRY_ID varchar(2) default Null ,

COUNTRY_NAME varchar(40) default Null,

REGION_ID decimal(10,0) default Null

);
```

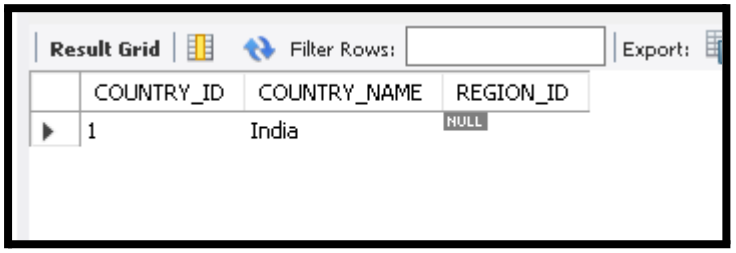


2. Write a SQL statement to insert one row into the table countries against the column country_id and country_name.

Here in the following is the structure of the table countries.

```
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| COUNTRY_ID   | varchar(2)   | YES  |     | NULL    |       |
| COUNTRY_NAME | varchar(40)  | YES  |     | NULL    |       |
| REGION_ID    | decimal(10,0) | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
```

```
insert into countries(country_id , country_name)
values
(001,'India');
```

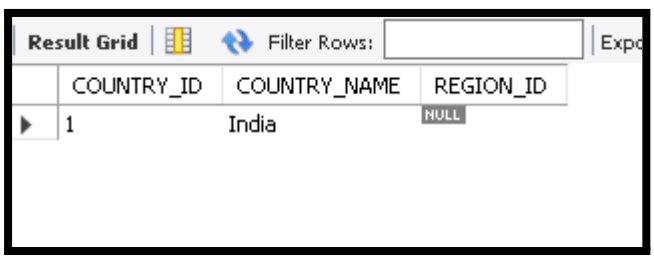


3. Write a SQL statement to create a duplicate of countries table named country_new with all structure and data.

Here in the following is the structure of the table countries.

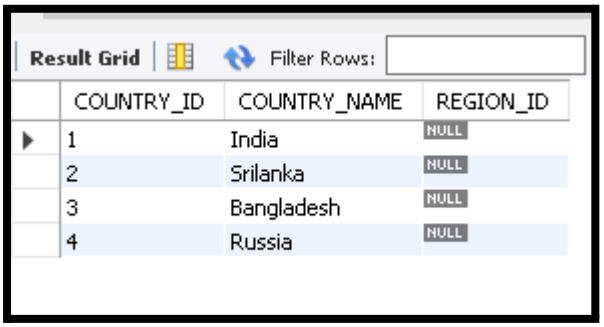
```
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| COUNTRY_ID   | varchar(2)   | YES  |     | NULL    |       |
| COUNTRY_NAME | varchar(40)  | YES  |     | NULL    |       |
| REGION_ID    | decimal(10,0) | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
```

```
create table country_new as select * from countries
```



4. Write a SQL statement to insert NULL values against the region_id column for a row of countries table.

```
insert into countries(country_id, country_name )
 values
 (002,"Srilanka"),
 (003,"Bangladesh"),
 (004,"Russia");
```



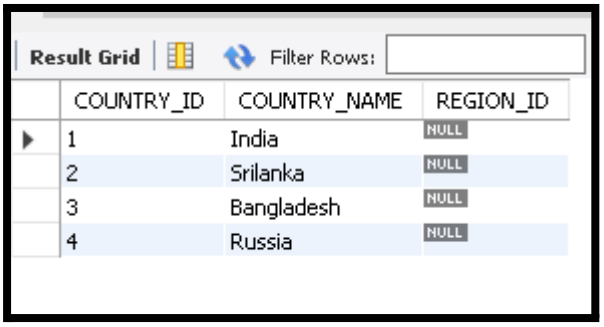
Result Grid | Filter Rows:

COUNTRY_ID	COUNTRY_NAME	REGION_ID
1	India	NULL
2	Srilanka	NULL
3	Bangladesh	NULL
4	Russia	NULL

5. Write a SQL statement to insert 3 rows by a single insert statement.

#Question same as above

```
insert into countries(country_id, country_name )
 values
 (002,"Srilanka"),
 (003,"Bangladesh"),
 (004,"Russia");
```



Result Grid | Filter Rows:

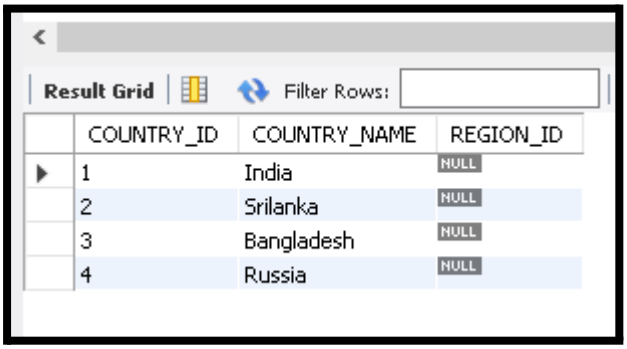
COUNTRY_ID	COUNTRY_NAME	REGION_ID
1	India	NULL
2	Srilanka	NULL
3	Bangladesh	NULL
4	Russia	NULL

6. Write a SQL statement insert rows from country_new table to countries table.

Here are the rows for the country_new table. Assume that the country's table is empty.

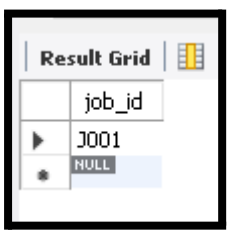
```
+------------+--------------+-----------+
| COUNTRY_ID | COUNTRY_NAME | REGION_ID |
+------------+--------------+-----------+
| C0001      | India        |      1001 |
| C0002      | USA          |      1007 |
| C0003      | UK           |      1003 |
+------------+--------------+-----------+
```

```
insert into countries
select * from country_new
```



7. Write a SQL statement to insert one row in the jobs table to ensure that no duplicate value will be entered in the job_id column.

```
create table jobs(

job_id varchar(10) not null unique

);


insert into jobs(job_id)

values

('J001');
```



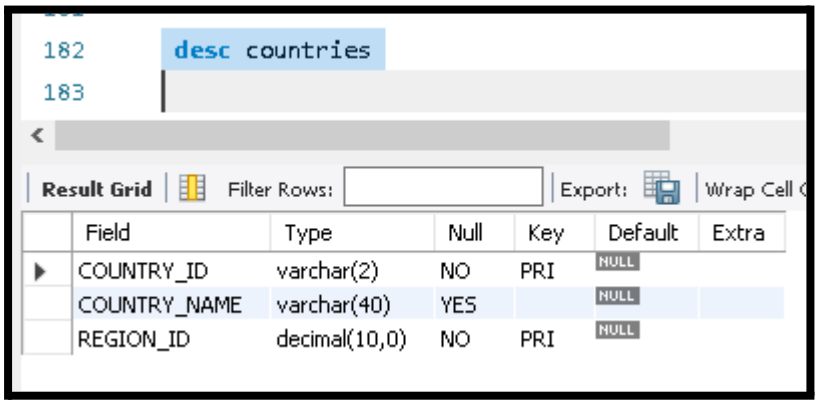
8. Write a SQL statement to insert one row in the jobs table to ensure that no duplicate value will be entered in the job_id column.

Same as above question

9. Write a SQL statement to insert a record into the table countries to ensure that a country_id and region_id combination will be entered once in the table.

alter table countries

add primary key(country_id,region_id)



10. Write a SQL statement to insert rows into the table countries in which the value of the country_id column will be unique and auto incremented.

INSERT INTO countries(country_name,region_id)

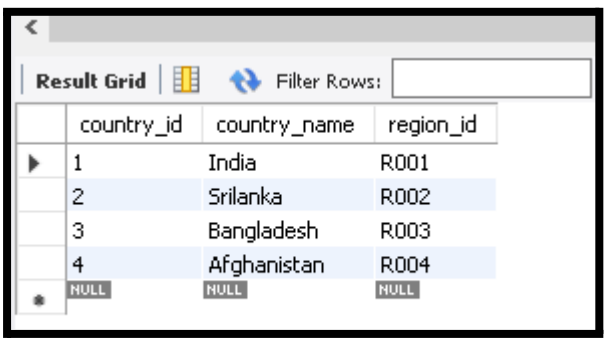
values

('India','R001'),

('Srilanka','R002'),

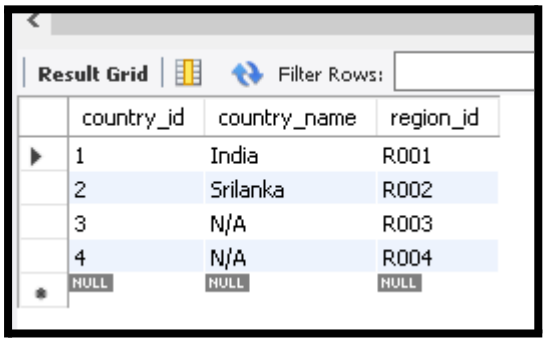
('Bangladesh','R003'),

('Afghanistan','R004');



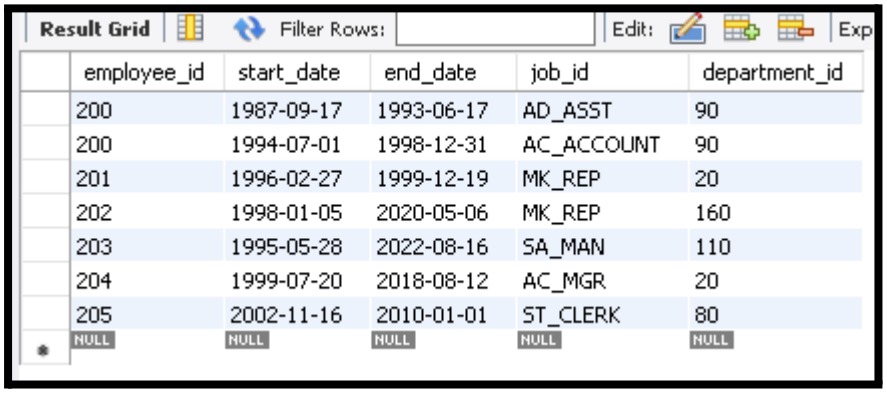
11. Write a SQL statement to insert records into the table countries to ensure that the country_id column will not contain any duplicate data and this will be automatically incremented and the column country_name will be filled up by 'N/A' if no value assigned for that column.

```
create table countries(

country_id int auto_increment primary key,

country_name varchar(20) default 'N/A',

region_id varchar(10) NOT NULL

);

insert into countries(country_name,region_id)

values

('India','R001'),

('Srilanka','R002');

insert into countries(region_id)

values

("R003"),

("R004");
```



12. Write a SQL statement to insert rows in the job_history table in which one column job_id is containing those values which exist in the job_id column of the jobs table.

```
insert into job_history

values

(202,'1998-01-05','2020-05-06','MK_REP',160),

(203,'1995-05-28','2022-08-16','SA_MAN',110),

(204,'1999-07-20','2018-08-12','AC_MGR',20),

(205,'2002-11-16','2010-01-01','ST_CLERK',80);
```



employee_id	start_date	end_date	job_id	department_id
200	1987-09-17	1993-06-17	AD_ASST	90
200	1994-07-01	1998-12-31	AC_ACCOUNT	90
201	1996-02-27	1999-12-19	MK_REP	20
202	1998-01-05	2020-05-06	MK_REP	160
203	1995-05-28	2022-08-16	SA_MAN	110
204	1999-07-20	2018-08-12	AC_MGR	20
205	2002-11-16	2010-01-01	ST_CLERK	80
NULL	NULL	NULL	NULL	NULL

13. Write a SQL statement to insert rows into the table employees in which a set of columns department_id and manager_id contains a unique value and that combined values must have existed into the table departments.

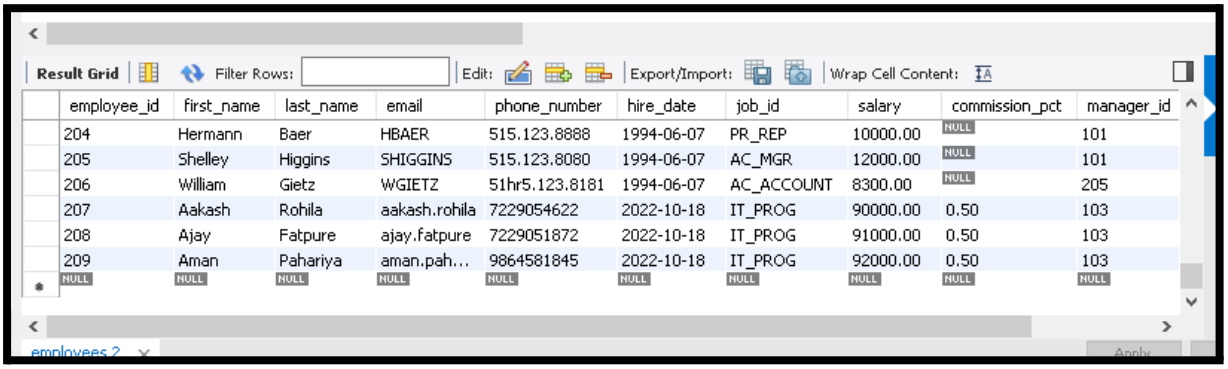
insert into employees

values

(207,'Aakash','Rohila','aakash.rohila','7229054622','2022-10-18','IT_PROG',90000,0.50,103,60),

(208,'Ajay','Fatpure','ajay.fatpure','7229051872','2022-10-18','IT_PROG',91000,0.50,103,60),

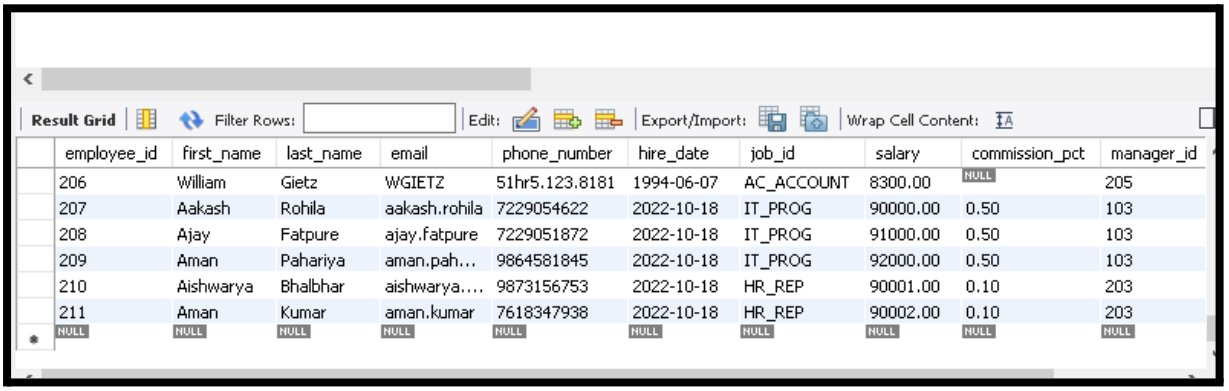
(209,'Aman','Pahariya','aman.pahariya','9864581845','2022-10-18','IT_PROG',92000,0.50,103,60);



employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
204	Hermann	Baer	HBAER	515.123.8888	1994-06-07	PR_REP	10000.00	NULL	101
205	Shelley	Higgins	SHIGGINS	515.123.8080	1994-06-07	AC_MGR	12000.00	NULL	101
206	William	Gietz	WGIETZ	51hr5.123.8181	1994-06-07	AC_ACCOUNT	8300.00	NULL	205
207	Aakash	Rohila	aakash.rohila	7229054622	2022-10-18	IT_PROG	90000.00	0.50	103
208	Ajay	Fatpure	ajay.fatpure	7229051872	2022-10-18	IT_PROG	91000.00	0.50	103
209	Aman	Pahariya	aman.pah...	9864581845	2022-10-18	IT_PROG	92000.00	0.50	103
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

14. Write a SQL statement to insert rows into the table employees in which a set of columns department_id and job_id contains the values which must have exists into the table departments and jobs

insert into employees
values
(210,'Aishwarya','Bhalbhar','aishwarya.bhalbhar','9873156753','2022-10-18','HR_REP',90001,0.10,203,40),
(211,'Aman','Kumar','aman.kumar','7618347938','2022-10-18','HR_REP',90002,0.10,203,40);



employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id
206	William	Gietz	WGIETZ	51hr5.123.8181	1994-06-07	AC_ACCOUNT	8300.00	NULL	205
207	Aakash	Rohila	aakash.rohila	7229054622	2022-10-18	IT_PROG	90000.00	0.50	103
208	Ajay	Fatpure	ajay.fatpure	7229051872	2022-10-18	IT_PROG	91000.00	0.50	103
209	Aman	Pahariya	aman.pah...	9864581845	2022-10-18	IT_PROG	92000.00	0.50	103
210	Aishwarya	Bhalbhar	aishwarya....	9873156753	2022-10-18	HR_REP	90001.00	0.10	203
211	Aman	Kumar	aman.kumar	7618347938	2022-10-18	HR_REP	90002.00	0.10	203
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL