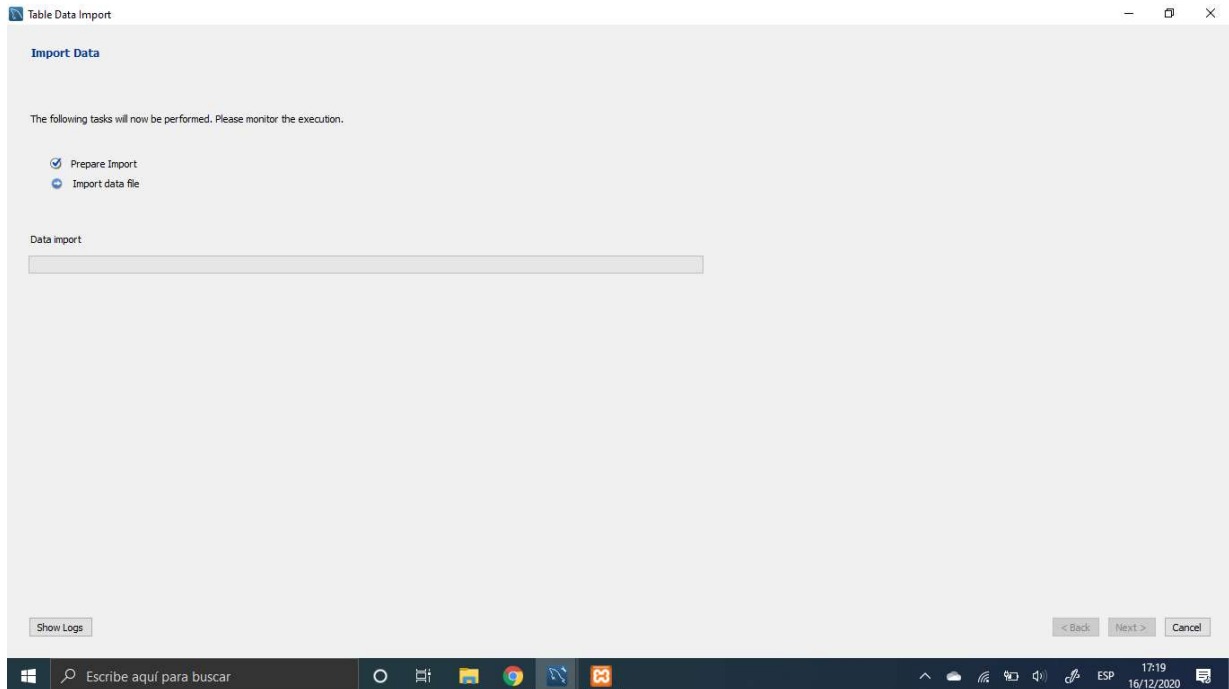


# EVIDENCIAS SESION 8

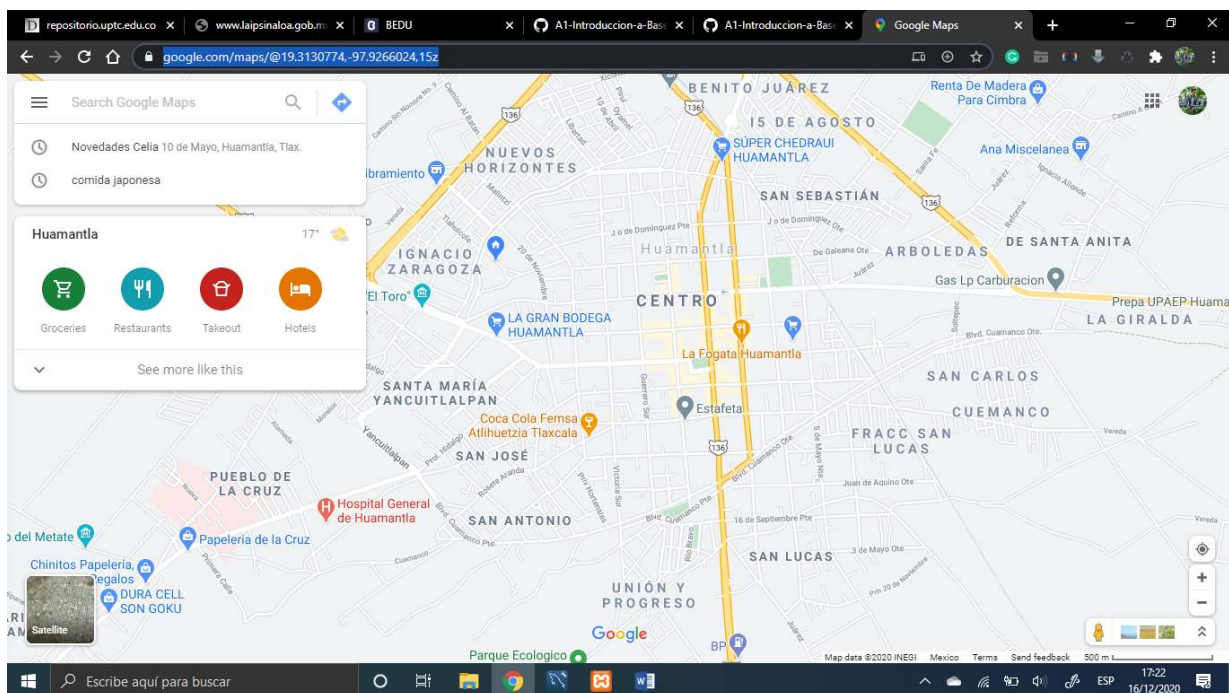
## VICTOR MIGUEL TERRON MACIAS

### RETO 1

CARGUÉ LOS DATOS A UN ESQUEMA DE MySQL QUE HABÍA CREADO

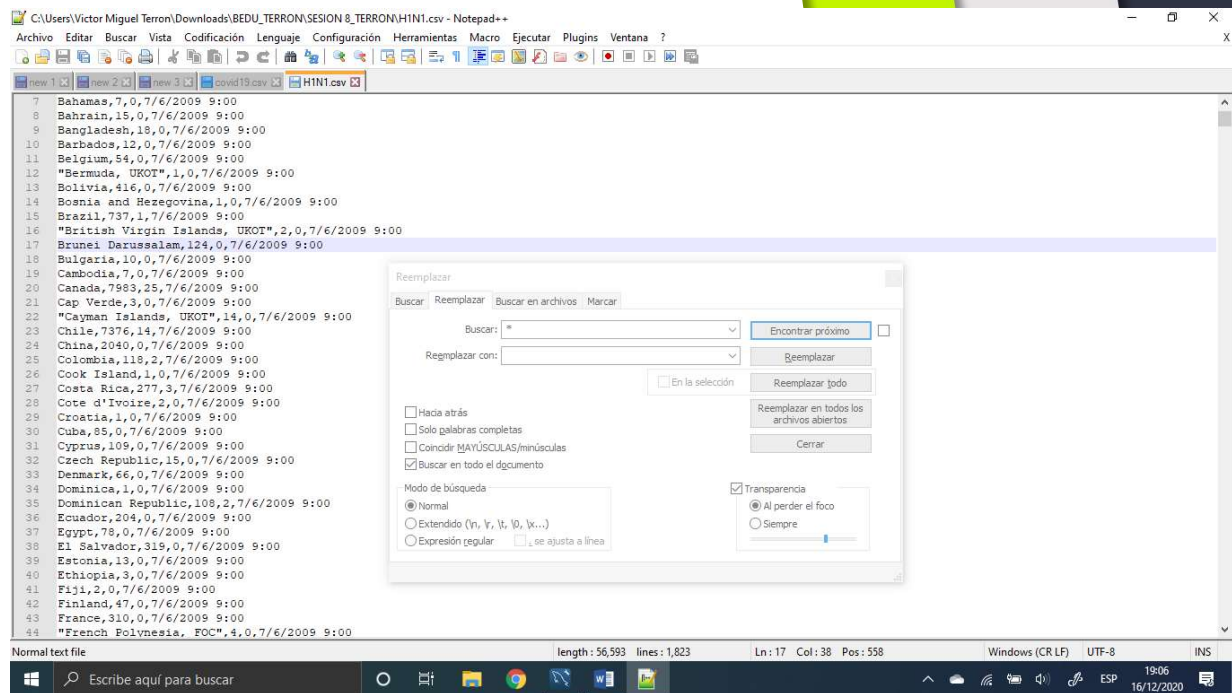


CONOCIENDO MI UBICACIÓN CON LA URL DE GOOGLE

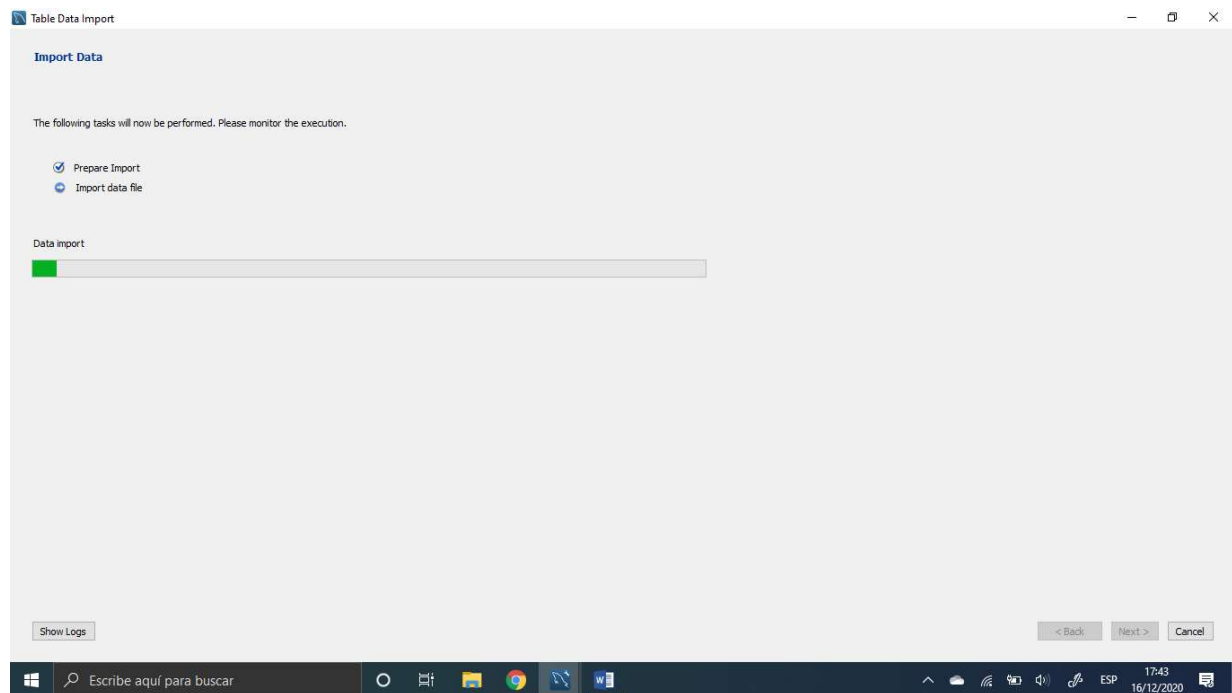


## RETO 2

### LIMPIEZA DE DATOS:



### IMPORTANDO DATOS DESDE CSV



¿CUÁL FUE EL PAÍS CON MAYOR NUMERO DE MUERTES? UNITED STATES OF AMERICA

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```
1. USE h1n1;
2. DESCRIBE DATOS;
3. #SELECT Country FROM datos ORDER BY Deaths DESC;
4. /*FORMA 1 DE RESOLVER RETO 2 PREGUNTA 1*/
5. SELECT Country,SUM(Cases)AS "Total casos" FROM datos GROUP BY Country;
6. SELECT Country FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos WHERE Country<>"Grand Total")LIMIT 1;
7. /*FORMA 2 DE RESOLVER RETO 2 PREGUNTA 1*/
```

The 'Result Grid' shows the results of the last query, displaying a single row for 'United States of America'.

The 'Output' tab shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
55	18:19:41	SELECT SUM(Deaths) WHERE Country="Algeria"	Error Code: 1054. Unknown column 'Deaths' in field list	0.000 sec
56	18:19:54	SELECT SUM(Deaths)FROM datos WHERE Country="Algeria" LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec
57	18:20:05	SELECT SUM(Deaths)FROM datos WHERE Country="Mexico" LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
58	18:21:04	SELECT Country FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos) LIM...	1 row(s) returned	0.016 sec / 0.000 sec
59	18:21:19	SELECT Country FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos WH...	2 row(s) returned	0.000 sec / 0.000 sec
60	18:21:26	SELECT Country FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos WH...	1 row(s) returned	0.000 sec / 0.000 sec

¿CUÁL FUE EL PAÍS CON MENOR NUMERO DE MUERTES? ALGERIA

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

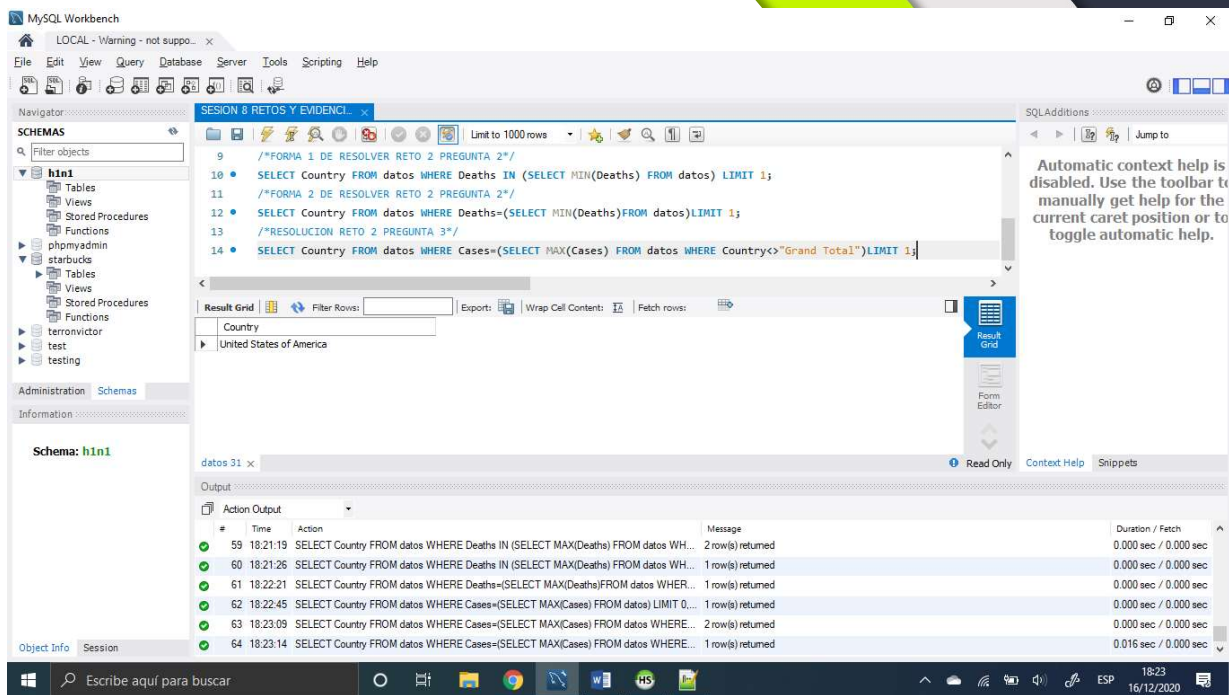
```
5. /*FORMA 2 DE RESOLVER RETO 2 PREGUNTA 1*/
6. SELECT Country FROM datos WHERE Deaths=(SELECT MAX(Deaths)FROM datos);
7. /*FORMA 1 DE RESOLVER RETO 2 PREGUNTA 2*/
8. SELECT Country FROM datos WHERE Deaths IN (SELECT MIN(Deaths) FROM datos) LIMIT 1;
9. /*FORMA 2 DE RESOLVER RETO 2 PREGUNTA 2*/
10. SELECT Country FROM datos WHERE Deaths=(SELECT MIN(Deaths)FROM datos)LIMIT 1;
```

The 'Result Grid' shows the results of the last query, displaying a single row for 'Algeria'.

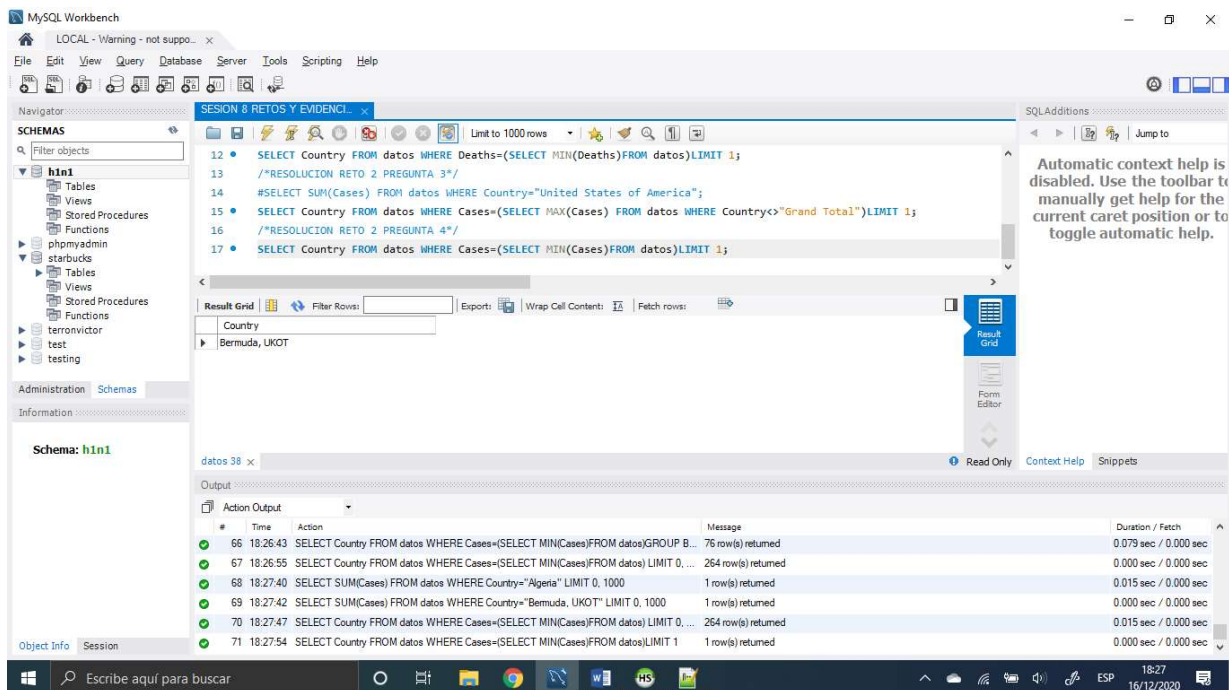
The 'Output' tab shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
26	17:50:52	SELECT Country FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
27	17:52:45	SELECT Country FROM datos WHERE Deaths=(SELECT MAX(Deaths)FROM datos) LIMIT...	1 row(s) returned	0.016 sec / 0.000 sec
28	17:55:01	SELECT Country FROM datos WHERE Deaths IN (SELECT MIN(Deaths) FROM datos) LIM...	Error Code: 1235. This version of MariaDB doesn't yet support 'LIMIT & IN/ALL/ANY/SOME ...'	0.000 sec
29	17:55:25	SELECT Country FROM datos WHERE Deaths IN (SELECT MIN(Deaths) FROM datos ORD...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.015 sec
30	17:55:34	SELECT Country FROM datos WHERE Deaths IN (SELECT MIN(Deaths) FROM datos) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
31	17:56:31	SELECT Country FROM datos WHERE Deaths=(SELECT MIN(Deaths)FROM datos)LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec

¿CUÁL FUE EL PAÍS CON EL MAYOR NÚMERO DE CASOS? United States of America



¿CUÁL FUE EL PAÍS CON EL MENOR NÚMERO DE CASOS? BERMUDA, UKOT



¿CUÁL FUE EL NÚMERO DE MUERTES PROMEDIO? 2.2682



MySQL Workbench

LOCAL - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Navigator

SESION 8 RETOS Y EVIDENCIA...

Limit to 1000 rows

14 #SELECT SUM(Cases) FROM datos WHERE Country="United States of America";

15 SELECT Country FROM datos WHERE Cases=(SELECT MAX(Cases) FROM datos WHERE Country<>"Grand Total")LIMIT 1;

16 /\*RESOLUCION RETO 2 PREGUNTA 4\*/

17 SELECT Country FROM datos WHERE Cases=(SELECT MIN(Cases)FROM datos)LIMIT 1;

18 /\*RESOLUCION RETO 2 PREGUNTA 5\*/

19 SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total";

20 /\*RESOLUCION RETO 2 PREGUNTA 6\*/

Result Grid

Filter Rows: Export: Wrap Cell Content: 1A

MUERTES PROMEDIO

2.2682

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
74	18:29:32	SELECT AVG(Deaths) FROM datos LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
75	18:29:51	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
76	18:30:30	SELECT AVG(Cases) FROM datos LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
77	18:31:04	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec
78	18:31:20	SELECT AVG(Cases) FROM datos WHERE Country<>"Grand Total" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
79	18:31:31	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec
79	18:31:31	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Schema: h1n1

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

¿CUÁL FUE EL NÚMERO DE CASOS PROMEDIO? 475.2571

MySQL Workbench

LOCAL - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Navigator

SESION 8 RETOS Y EVIDENCIA...

Limit to 1000 rows

16 /\*RESOLUCION RETO 2 PREGUNTA 4\*/

17 SELECT Country FROM datos WHERE Cases=(SELECT MIN(Cases)FROM datos)LIMIT 1;

18 /\*RESOLUCION RETO 2 PREGUNTA 5\*/

19 SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total";

20 /\*RESOLUCION RETO 2 PREGUNTA 6\*/

21 SELECT AVG(Cases)AS "CASOS PROMEDIO" FROM datos WHERE Country<>"Grand Total";

Result Grid

Filter Rows: Export: Wrap Cell Content: 1A

CASOS PROMEDIO

475.2571

Read Only Context Help Snippets

Output

Action Output

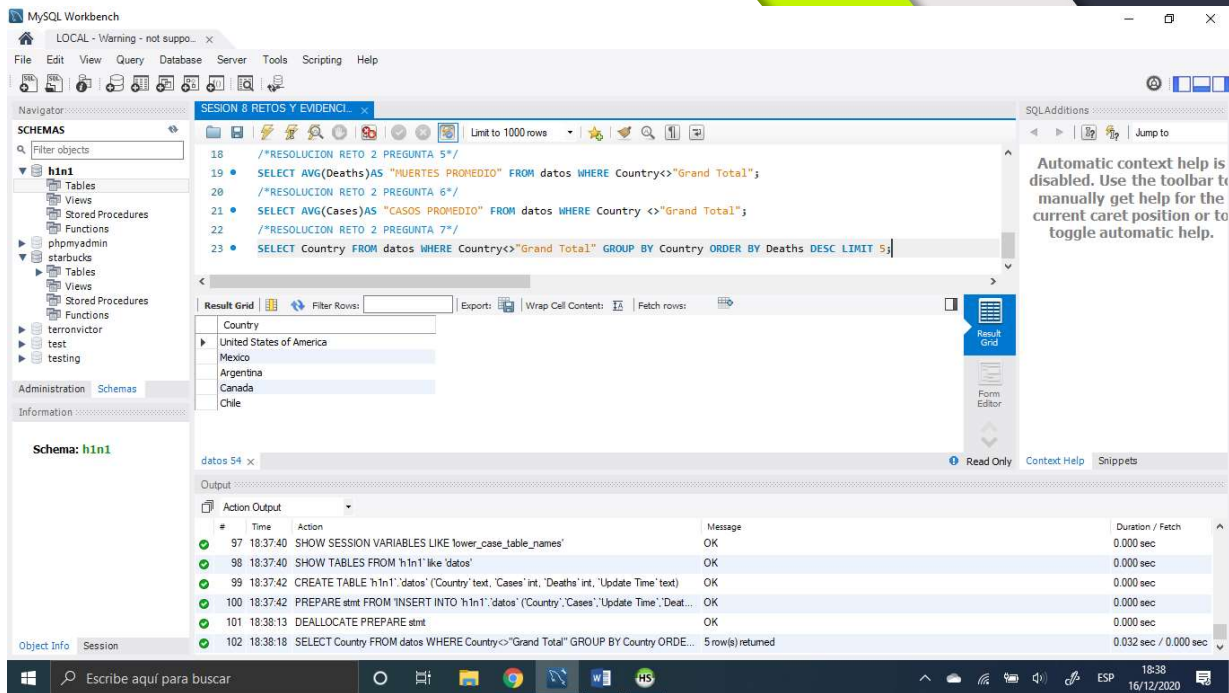
#	Time	Action	Message	Duration / Fetch
76	18:30:30	SELECT AVG(Cases) FROM datos LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
77	18:31:04	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec
78	18:31:20	SELECT AVG(Cases) FROM datos WHERE Country<>"Grand Total" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
79	18:31:31	SELECT AVG(Deaths)AS "MUERTES PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec
80	18:31:56	SELECT AVG(Cases) FROM datos WHERE Country<>"Grand Total" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
81	18:32:08	SELECT AVG(Cases)AS "CASOS PROMEDIO" FROM datos WHERE Country<>"Grand Total"	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

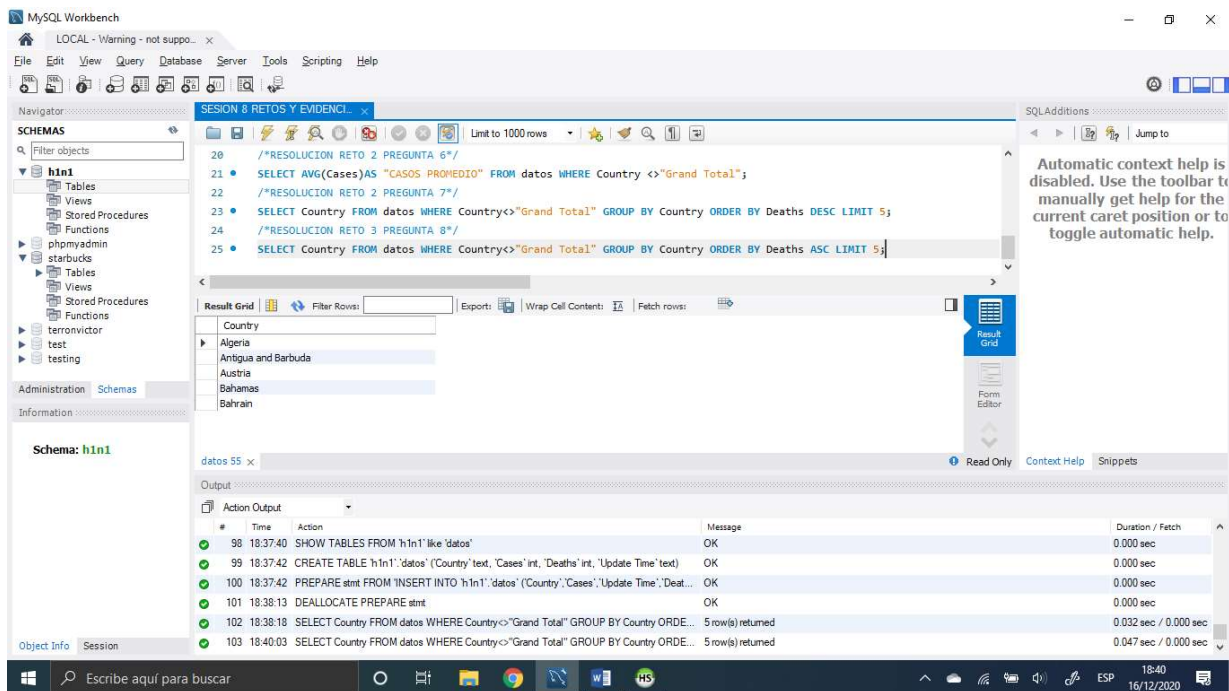
Schema: h1n1

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

TOP 5 DE PAÍSES CON MÁS MUERTES: UNITED STATES OF AMERICA, MEXICO, ARGENTINA, CANADA, CHILE.

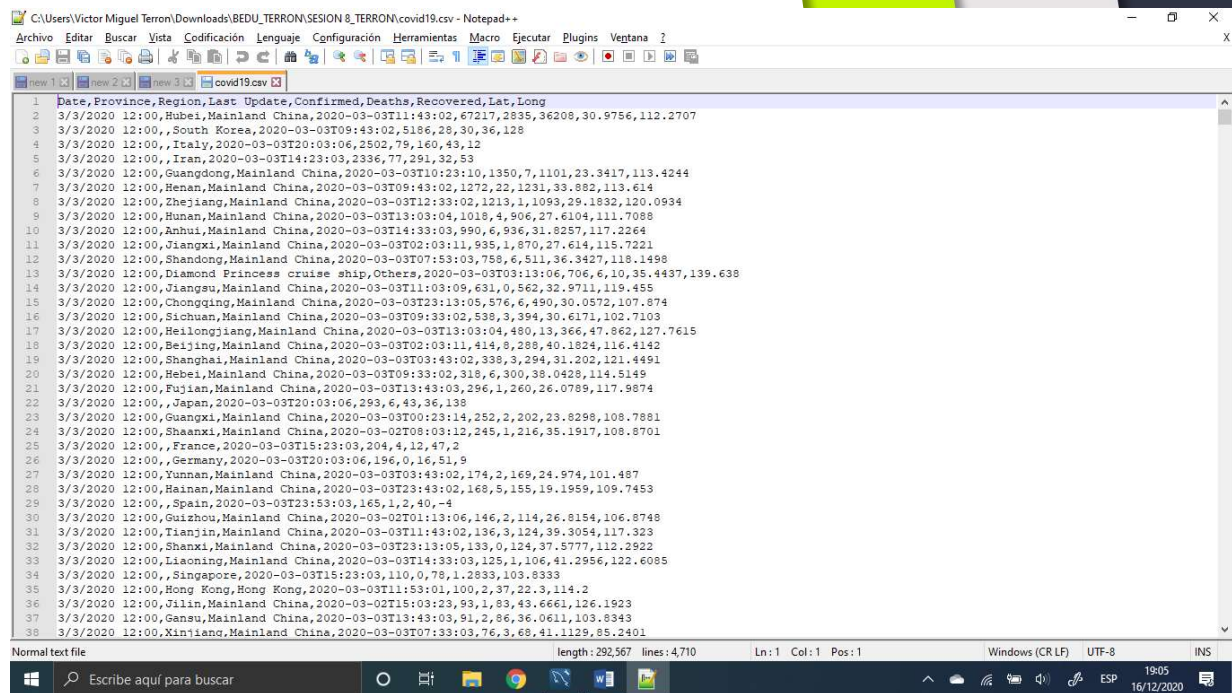


TOP 5 DE PAÍSES CON MENOS MUERTES: ALGERIAA, ANTIGUA AND BARBUDA, AUSTRIA, BAHMAS, BAHRIAN



## RETO 3

### LIMPIEZA DE DATOS:



CAUsers\Victor Miguel Terron\Downloads\BEDU\_TERRON\SESSION 8\_TERRON\covid19.csv - Notepad++

Archivo Editar Buscar Vista Configuración Lenguaje Configuración Herramientas Macro Ejecutar Plugins Ventana ?

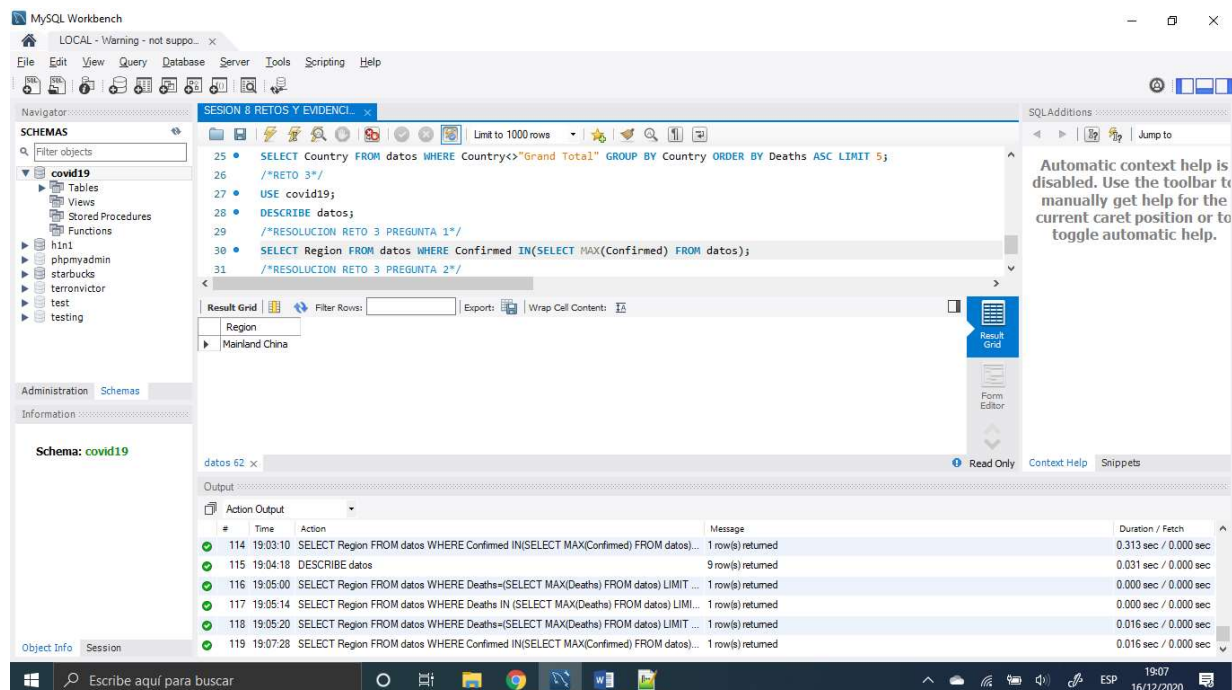
new 1 new 2 new 3 covid19.csv

```
1 Date,Province,Region,Last Update,Confirmed,Deaths,Recovered,Lat,Long
2 3/3/2020 12:00,Hubei,Mainland China,2020-03-03T11:43:02,67217,2835,36208,30.9756,112.2707
3 3/3/2020 12:00,South Korea,2020-03-03T09:43:02,5196,28,30,36,128
4 3/3/2020 12:00,Italy,2020-03-03T20:03:06,2502,79,160,43,12
5 3/3/2020 12:00,Iran,2020-03-03T14:23:03,2336,77,291,32,53
6 3/3/2020 12:00,Guangdong,Mainland China,2020-03-03T10:23:10,1350,7,1101,23.3417,113.4244
7 3/3/2020 12:00,Henan,Mainland China,2020-03-03T09:43:02,1272,22,1231,33.882,113.614
8 3/3/2020 12:00,Zhejiang,Mainland China,2020-03-03T12:33:02,1213,1,1093,29.1832,120.0934
9 3/3/2020 12:00,Hunan,Mainland China,2020-03-03T13:03:04,1018,4,906,27.6104,111.7088
10 3/3/2020 12:00,Anhui,Mainland China,2020-03-03T14:33:03,990,6,936,31.8257,117.2264
11 3/3/2020 12:00,Jiangxi,Mainland China,2020-03-03T02:03:11,935,1,870,27.614,115.7221
12 3/3/2020 12:00,Shandong,Mainland China,2020-03-03T07:53:03,758,6,511,36.3427,118.1498
13 3/3/2020 12:00,Diamond Princess cruise ship,Others,2020-03-03T03:13:06,706,6,10,35.4437,139.638
14 3/3/2020 12:00,Jiangsu,Mainland China,2020-03-03T11:03:09,631,0,562,32.9711,119.455
15 3/3/2020 12:00,Chongqing,Mainland China,2020-03-03T23:13:05,576,6,490,30.0572,107.874
16 3/3/2020 12:00,Sichuan,Mainland China,2020-03-03T09:33:02,538,3,394,30.6171,102.7103
17 3/3/2020 12:00,Heilongjiang,Mainland China,2020-03-03T13:03:04,480,13,366,47.862,127.7615
18 3/3/2020 12:00,Beijing,Mainland China,2020-03-03T02:03:11,414,8,288,40.1824,116.4142
19 3/3/2020 12:00,Shanghai,Mainland China,2020-03-03T03:43:02,338,3,294,31.202,121.4491
20 3/3/2020 12:00,Hebei,Mainland China,2020-03-03T09:33:02,318,6,300,38.0428,114.5149
21 3/3/2020 12:00,Fujian,Mainland China,2020-03-03T13:43:03,296,1,260,26.0789,117.9874
22 3/3/2020 12:00,Japan,2020-03-03T20:03:06,293,6,43,36,138
23 3/3/2020 12:00,Guangxi,Mainland China,2020-03-03T00:23:14,252,2,202,23.8298,108.7881
24 3/3/2020 12:00,Shaanxi,Mainland China,2020-03-02T08:03:12,245,1,216,35.1917,108.8701
25 3/3/2020 12:00,France,2020-03-03T15:23:03,204,4,12,47,2
26 3/3/2020 12:00,Germany,2020-03-03T20:03:06,196,0,16,51,9
27 3/3/2020 12:00,Yunnan,Mainland China,2020-03-03T03:43:02,174,2,169,24.974,101.487
28 3/3/2020 12:00,Hainan,Mainland China,2020-03-03T23:43:02,168,5,155,19.1959,109.7453
29 3/3/2020 12:00,Spain,2020-03-03T23:53:03,165,1,2,40,-4
30 3/3/2020 12:00,Guizhou,Mainland China,2020-03-02T01:13:06,146,2,114,26.8154,106.8748
31 3/3/2020 12:00,Tianjin,Mainland China,2020-03-03T11:43:02,136,3,124,39.3054,117.323
32 3/3/2020 12:00,Shanxi,Mainland China,2020-03-03T23:13:05,130,0,124,37.5777,112.2922
33 3/3/2020 12:00,Liaoning,Mainland China,2020-03-03T14:23:03,125,1,106,41.2956,122.6085
34 3/3/2020 12:00,Singapore,2020-03-03T15:23:03,110,0,78,1.2833,103.8333
35 3/3/2020 12:00,Hong Kong,Hong Kong,2020-03-03T11:53:01,100,2,37,22.3,114.2
36 3/3/2020 12:00,Jilin,Mainland China,2020-03-02T15:03:23,93,1,83,43.6661,126.1923
37 3/3/2020 12:00,Gansu,Mainland China,2020-03-03T13:43:03,91,2,86,36.0611,103.8343
38 3/3/2020 12:00,Xinjiang,Mainland China,2020-03-03T07:33:03,76,3,68,41.1129,85.2401
```

Normal text file length: 292,567 lines: 4,710 Ln: 1 Col: 1 Pos: 1 Windows (CR LF) UTF-8 INS

Escribe aquí para buscar

### ¿CUÁL ES EL PAÍS CON MÁS NÚMERO DE CASOS?



MySQL Workbench

LOCAL - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Navigator

Limit to 1000 rows

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Schema: covid19

datos 62 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
114	19:03:10	SELECT Region FROM datos WHERE Confirmed IN(SELECT MAX(Confirmed) FROM datos)...	1 row(s) returned	0.313 sec / 0.000 sec
115	19:04:18	DESCRIBE datos;	9 row(s) returned	0.031 sec / 0.000 sec
116	19:05:00	SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.000 sec / 0.000 sec
117	19:05:14	SELECT Region FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.000 sec / 0.000 sec
118	19:05:20	SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.016 sec / 0.000 sec
119	19:07:28	SELECT Region FROM datos WHERE Confirmed IN(SELECT MAX(Confirmed) FROM datos)...	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Escribe aquí para buscar

¿CUÁL ES EL PAÍS CON EL MAYOR NÚMERO DE MUERTES?

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' panel with a tree view containing 'covid19', 'h1n1', 'phpmyadmin', 'starbucks', 'terrorvictor', 'test', and 'testing'. The 'covid19' schema is selected. The main editor window shows a SQL query titled 'SESION 8 RETOS Y EVIDENCIA...'. The query is as follows:

```
27 • USE covid19;
28 • DESCRIBE datos;
29 • /*RESOLUCION RETO 3 PREGUNTA 1*/
30 • SELECT Region FROM datos WHERE Confirmed IN(SELECT MAX(Confirmed) FROM datos);
31 • /*RESOLUCION RETO 3 PREGUNTA 2*/
32 • SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos);
```

The 'Result Grid' shows the results of the last query (line 32). It contains one row with the value 'Manland China'.

The 'Output' panel at the bottom shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
115	19:04:18	DESCRIBE datos	9 row(s) returned	0.031 sec / 0.000 sec
116	19:05:00	SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.000 sec / 0.000 sec
117	19:05:14	SELECT Region FROM datos WHERE Deaths IN (SELECT MAX(Deaths) FROM datos) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
118	19:05:20	SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.016 sec / 0.000 sec
119	19:07:28	SELECT Region FROM datos WHERE Confirmed IN(SELECT MAX(Confirmed) FROM datos)...	1 row(s) returned	0.016 sec / 0.000 sec
120	19:08:01	SELECT Region FROM datos WHERE Deaths=(SELECT MAX(Deaths) FROM datos) LIMIT ...	1 row(s) returned	0.016 sec / 0.000 sec

USANDO LAS COORDENADAS ENCUENTRA EL EPICENTRO DEL VIRUS