

=====ASSESSMENT_DATABASE=====

- Write SQL query to solve the problem given below:

Consider three table named as city, customer and country

The city table is given below :

id	city_name	lat	long	country_id
1	Berlin	52.520008	13.404954	1
2	Belgrade	44.787197	20.457273	2
3	Zagreb	45.815399	15.966568	3
4	New York	40.730610	-73.935242	4
5	Los Angeles	34.052235	-118.243683	4
6	Warsaw	52.237049	21.017532	5

The Customer table :

id	customer_name	city_id	customer_address	next_call_date	ts_inserted
1	Jewelry Store	4	Long Street 120	2020-01-21	2020-01-09 14:01:20.000
2	Bakery	1	Kurfürstendamm 25	2020-02-21	2020-01-09 17:52:15.000
3	Café	1	Tauentzienstraße 44	2020-01-21	2020-01-10 08:02:49.000
4	Restaurant	3	Ulica lipa 15	2020-01-21	2020-01-10 09:20:21.000

The Country table :

id	country_name	country_name_eng	country_code
1	Deutschland	Germany	DEU
2	Srbija	Serbia	SRB
3	Hrvatska	Croatia	HRV
4	United States of America	United States of America	USA
5	Polska	Poland	POL
6	España	Spain	ESP
7	Rossiya	Russia	RUS

Solution:

Table_1:The_city

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

```

1 use Assessment_DB;
2 select * from The_city;
3

```

The 'Result Grid' displays the contents of the 'The_city' table:

id	city_name	lat	long	country_id
1	Berlin	52.52	13.405	1
2	Belgrade	44.7872	20.4573	2
3	Zagreb	45.8154	15.9666	3
4	New York	40.7306	-73.9352	4
5	Los Angeles	34.0522	-118.244	4
6	Warsaw	52.237	21.0175	5

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
12	18:55:27	use Assessment_DB	0 row(s) affected	0.000 sec
13	18:55:27	truncate table The_city	0 row(s) affected	0.031 sec
14	18:56:41	use Assessment_DB	0 row(s) affected	0.000 sec
15	18:56:41	insert into The_city values(1,'Berlin',52.520008,13.404954,1)	1 row(s) affected	0.000 sec
16	18:56:41	insert into The_city values(2,'Belgrade',44.787197,20.457273,2)	1 row(s) affected	0.000 sec
17	18:56:41	insert into The_city values(3,'Zagreb',45.815399,15.966568,3)	1 row(s) affected	0.016 sec
18	18:56:41	insert into The_city values(4,'New York',40.730610,-73.935242,4)	1 row(s) affected	0.000 sec

Table_2:The_customer

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

```

1 use Assessment_DB;
2 insert into The_Customer values(1,'Jewelry Store',4,'Long street 120','2020-01-21','2020-01-09 14:01:20.000');
3 insert into The_Customer values(2,'Bakery',1,'Kurfirstendamm 25','2020-02-21','2020-01-09 17:52:15.000');
4 insert into The_Customer values(3,'Cafe',1,'Tautentzenstrabe 144','2020-01-21','2020-01-10 08:02:49.000');
5 insert into The_Customer values(4,'Restaurant',3,'Ullica lpa 15','2020-01-21','2020-01-10 09:20:21.000');
6 select * from The_Customer;

```

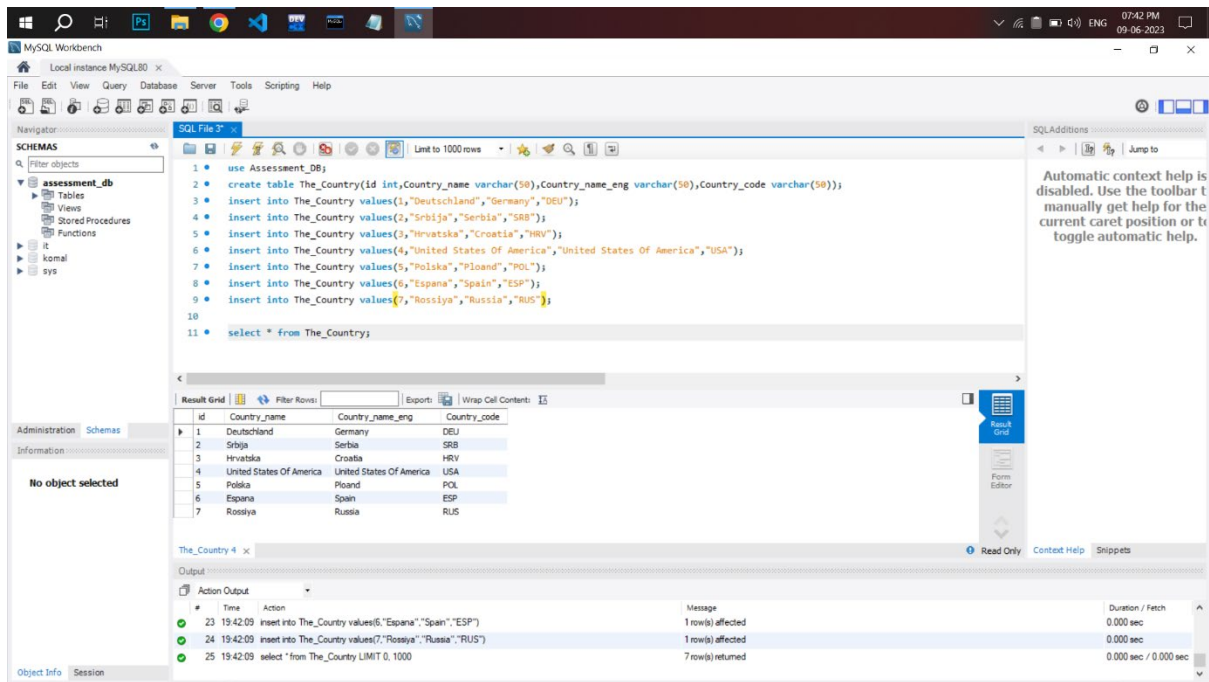
The 'Result Grid' displays the contents of the 'The_Customer' table:

id	Customer_name	City_id	Customer_Address	Next_Call_Date	Ts_Inserted
1	Jewelry Store	4	Long street 120	2020-01-21	2020-01-09 14:01:20.000
2	Bakery	1	Kurfirstendamm 25	2020-02-21	2020-01-09 17:52:15.000
3	Cafe	1	Tautentzenstrabe 144	2020-01-21	2020-01-10 08:02:49.000
4	Restaurant	3	Ullica lpa 15	2020-01-21	2020-01-10 09:20:21.000

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
3	19:12:14	use Assessment_DB	0 row(s) affected	0.000 sec

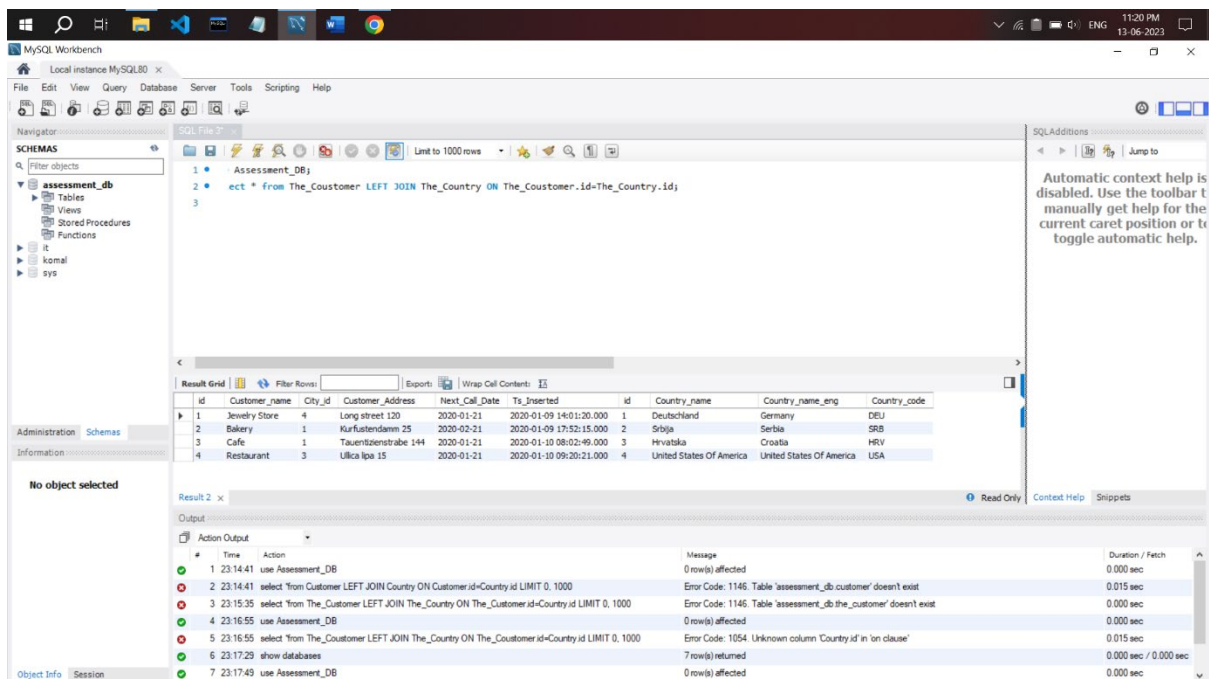
Table_3:The_country

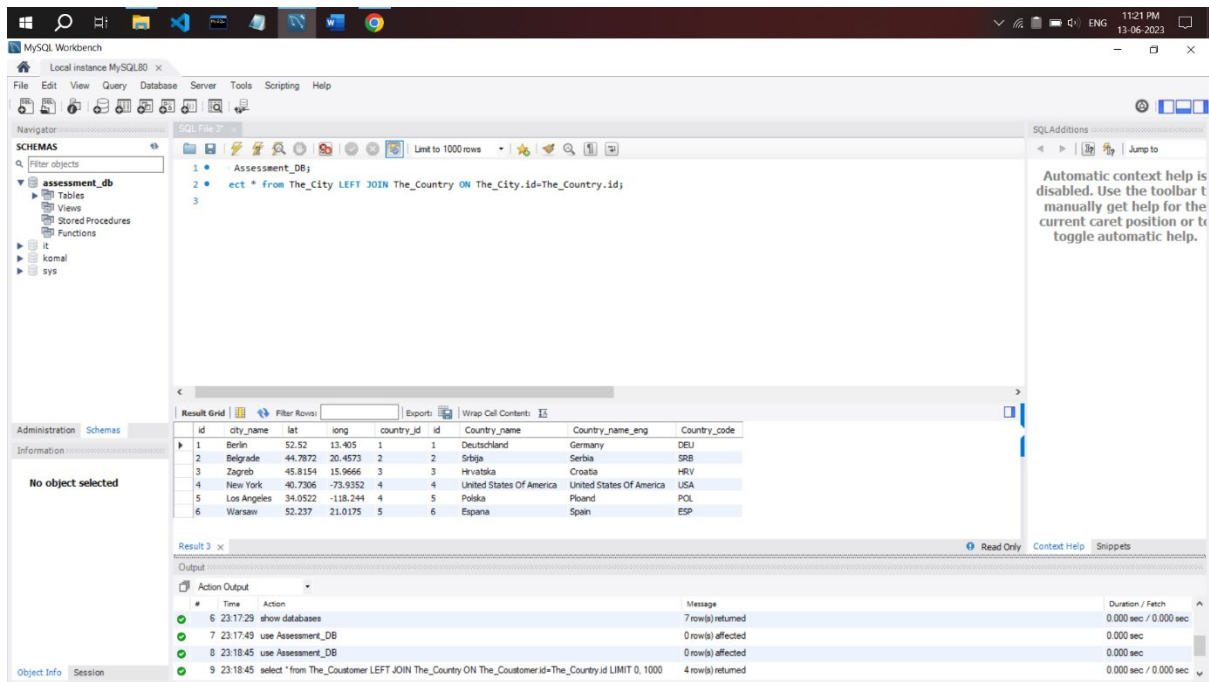


Task:

*List all Countries and customers related to these countries:

Solution:





*Each country displaying its name in English, the name of the city customer is located in as well as the name of the customer:

Solution:

