

C3-S5-PRACTICE

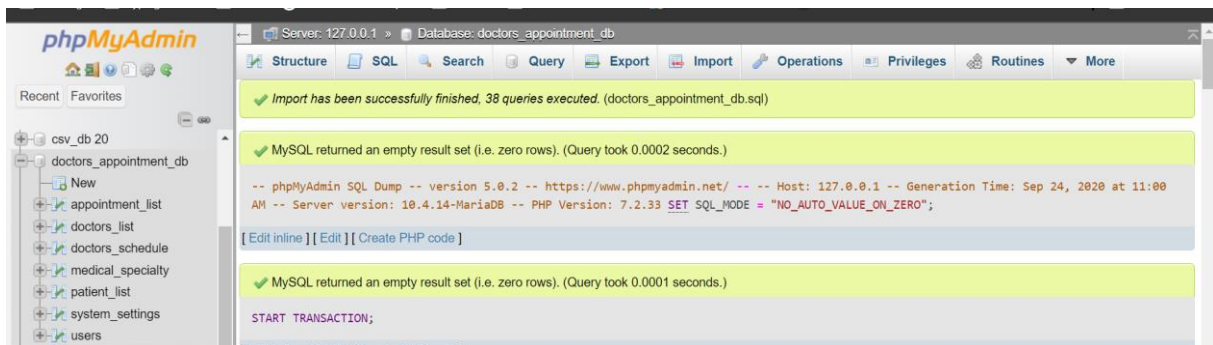
What you will know?

ORDER BY LIMIT SUM COUNT

Q1: Create a database named “doctors_appointment_db”

```
create database doctors_appointment_db;
```

Q2: Import “doctors_appointment_db.sql” into phpmyAdmin

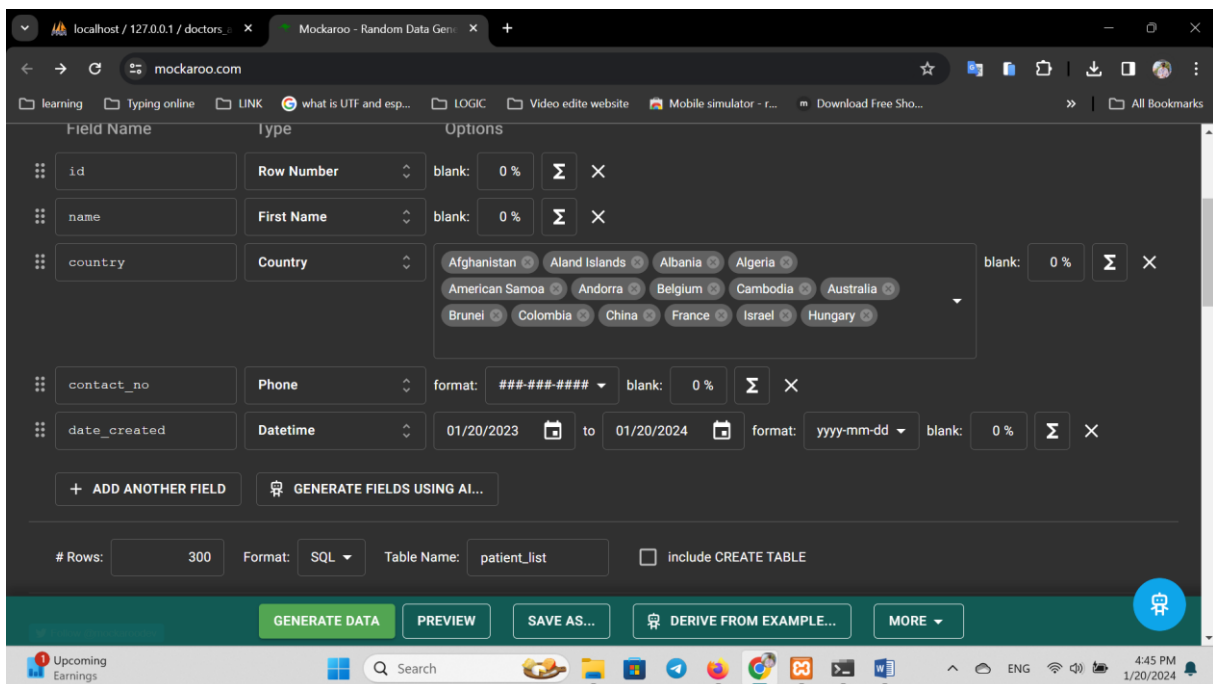


Q3: Delete system setting table.

```
DROP TABLE system_settings;
```

Q4: Go to [mockaroo](https://mockaroo.com) website

- a) Create 300 fakes records data for patient list table by having the same patient list in your phpmyAdmin.



- b) Import patient_list fake data that you got from mockaroo into doctor_appointment_db into phpMyAdmin

```
C:\WINDOWS\system32\cmd. x + v
a', '360-461-2598', '2023-10-31');
Query OK, 1 row affected (0.004 sec)

MariaDB [doctors_appointment_db]> insert into patient_list (id, name, country, contact_no, date_created) values (99, 'Andre', 'China'
, '870-397-4095', '2023-04-26');
Query OK, 1 row affected (0.004 sec)

MariaDB [doctors_appointment_db]> insert into patient_list (id, name, country, contact_no, date_created) values (100, 'Bonnie', 'Chin
a', '969-920-4383', '2023-08-18');
Query OK, 1 row affected (0.006 sec)

MariaDB [doctors_appointment_db]> SELECT * FROM patient_list;
+-----+-----+-----+-----+-----+
| id | name | country | contact_no | date_created |
+-----+-----+-----+-----+-----+
| 1 | Findley | China | 513-509-1351 | 2023-01-30 00:00:00 |
| 2 | Ealasaid | China | 648-644-3808 | 2023-02-22 00:00:00 |
| 3 | Falito | China | 667-810-0393 | 2023-11-24 00:00:00 |
| 4 | Birch | China | 560-862-6933 | 2023-02-27 00:00:00 |
| 5 | Cordelie | China | 521-564-4122 | 2024-01-15 00:00:00 |
| 6 | Pia | China | 990-322-4464 | 2023-09-08 00:00:00 |
| 7 | Jasmine | China | 119-369-7094 | 2023-08-22 00:00:00 |
| 8 | Anderea | China | 973-977-5110 | 2023-10-05 00:00:00 |
| 9 | Willem | China | 355-444-3428 | 2023-11-28 00:00:00 |
| 10 | Chris | China | 515-371-1011 | 2023-06-22 00:00:00 |
| 11 | Lorinda | Albania | 570-504-0246 | 2023-10-27 00:00:00 |
| 12 | Collete | China | 694-610-8793 | 2023-04-28 00:00:00 |
| 13 | Corey | China | 190-923-3236 | 2023-12-07 00:00:00 |
| 14 | Luce | France | 825-319-0131 | 2023-12-23 00:00:00 |
| 15 | Hilary | Afghanistan | 744-132-9370 | 2023-09-16 00:00:00 |
| 16 | Almeda | France | 131-807-4735 | 2023-12-20 00:00:00 |
| 17 | Shelli | Colombia | 860-368-2053 | 2023-09-03 00:00:00 |
+-----+-----+-----+-----+-----+
```

Q5: Display the name of the first doctor (alphabetical order) as result below:

Expected result:

Claire Blake

Answer:

```
SELECT name FROM doctors_list ORDER BY name ASC limit 1;
```

Q6: Display the 2 first patients living in France (ordered by their name)

Expected result:

Name	Country
Charmain Devigne	France
Dredi MacPhaden	France

```
MariaDB [doctors_appointment_db]> SELECT name , country FROM patient_list WHERE country = 'France' ORDER BY name ASC limit 2;
+-----+-----+
| name | country |
+-----+-----+
| Allan | France |
| Almeda | France |
+-----+-----+
2 rows in set (0.001 sec)
```

Answer:

Q7: display number of patients from each country (order by country) as sample below

Count Number of Country	Country Name
1	Afghanistan
1	Argentina
1	Bosnia and Herzegovina
2	Brazil
8	China
1	Colombia

```
MariaDB [doctors_appointment_db]> SELECT COUNT( country ) AS countNumberOfCountry ,country AS CountryName FROM patient_list GROUP BY country;
```

countNumberOfCountry	CountryName
2	Afghanistan
1	Albania
74	China
4	Colombia
17	France
1	Hungary
1	Israel

7 rows in set (0.011 sec)

Answer:

Q8: Using the appointment list table, display the total number of appointments

Expected result:

3

Answer:

```
MariaDB [doctors_appointment_db]> SELECT COUNT( DISTINCT status ) FROM appointment_list;
```

COUNT(DISTINCT status)
3

Q9: Using the **doctor_schedule** table, display the number of doctors available per day:

Expected result:

day	number of doctors
Friday	1
Monday	2
Thursday	1
Tuesday	1
Wednesday	2

Answer:

```
MariaDB [doctors_appointment_db]> SELECT day , doctor_id AS numberofdoctor FROM doctors_schedule;
```

day	numberofdoctor
Monday	2
Wednesday	2
Monday	3
Tuesday	3
Wednesday	3
Thursday	3
Friday	3

Q10: Using the **medical_specialty** table, display the number of medical specialties.

Expected result:

5

Answer:

```
MariaDB [doctors_appointment_db]> SELECT COUNT( name ) AS totalOfMedical FROM medical_specialty;
+-----+
| totalOfMedical |
+-----+
|          5 |
+-----+
```

Q11: Display the number of appointments scheduled before October 2020.

Answer:

```
MariaDB [doctors_appointment_db]> SELECT COUNT( schedule ) AS appointmentCount FROM appointment_list WHERE Schedule < '2020-10-01';
+-----+
| appointmentCount |
+-----+
|          2 |
+-----+
1 row in set (0.000 sec)
```

Q12: Display all users who have no address and contact.

Expected result:

Administrator

Answer:

```
MariaDB [doctors_appointment_db]> SELECT name FROM users WHERE address = "";
+-----+
| name |
+-----+
| Administrator |
+-----+
```

Q1: Display the number of patients whose second letter name is 'e'.

Expected result:

10

Answer:

```
MariaDB [doctors_appointment_db]> SELECT COUNT( name ) FROM patient_list WHERE name LIKE "_e%";
+-----+
| COUNT( name ) |
+-----+
|          18 |
+-----+
1 row in set (0.001 sec)
```