

PROJECT 1: (Covid Information Database Management)

SQL FILE:

#To create a new Database:

```
Microsoft Windows [Version 10.0.22621.2215]
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C:\Users\vaish>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 286
Server version: 8.0.34 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database covid_data_2;
Query OK, 1 row affected (0.01 sec)
```

#To use the created Database:

```
mysql> use covid_data_2;
Database changed
```

#To create a new table (login_database):

```
mysql> use covid_data_2;
Database changed
mysql> create table login_database(S_No int,Username varchar(255),Password varchar(255),Name varchar(255),Gender varchar(255),Age varchar(255),Mobile varchar(255),Email varchar(255));
Query OK, 0 rows affected (0.02 sec)
```

#To create a new table (admin_database):

```
mysql> create table admin_database (S_no int,'Admin ID' varchar(255),'Admin password' varchar(255),Name varchar(255),Age varchar(255),Branch varchar(255),Post varchar(255),Experience varchar(255));
Query OK, 0 rows affected (0.02 sec)
```

#To create a new table (medical_database):

```
mysql> create table medical_database (S_no int,Name varchar(255),Age varchar(255),'Test Type' varchar(255),'Test Date' varchar(255),'Test Done by' varchar(255),'Test Result' varchar(255),'Amount paid for Test' varchar(255));
Query OK, 0 rows affected (0.02 sec)
```

#To create a new table (appointment_registration):

```
mysql> CREATE TABLE appointment_registration (
-> S_no int,
-> Name varchar(255),
-> Reason_for_Appointment varchar(255),
-> Appointment_Date_and_Time varchar(255),
-> Consultancy_fee varchar(255),
-> Update_in_time_if_any varchar(255)
-> );
Query OK, 0 rows affected (0.02 sec)
```

#To create a new table (vaccination_data):

```
mysql> create table vaccination_data(S_no int,Name varchar(255),Age varchar(255),'Vaccination Status' varchar(255),'Vaccine Name' varchar(255),'Vaccination Date' varchar(255),'Payment for vaccine' varchar(255));
Query OK, 0 rows affected (0.02 sec)
```

#To create a new table (death_details):

```
mysql> create table death_details('S.No' int,Name varchar(255),Age varchar(255),Gender varchar(255),'Death Date' varchar(255),'Death Time' varchar(255),'Vaccination Status' varchar(255),City varchar(255),'Treatment Status' varchar(255));
Query OK, 0 rows affected (0.04 sec)
```

#sql commands to insert data files a written in python file using a library module called mysql.connector and function called mysql.connector.connect()

Code:

1) Import mysql.connector:

```
import mysql.connector
covid_db=mysql.connector.connect(
    host="localhost",
    user="root",
    password="12345",
    database="covid_data"
)
```

2) To view data:

```
def view_individual_medical_data():
    name=input("Enter your Name: ")
    print("")
    sql_view_individual_medical_data="SELECT * FROM medical_database where Name = %s;"
    cursor.execute(sql_view_individual_medical_data,(name,))
    data = cursor.fetchall()
    print(data)
    covid_db.commit()
    print("")
```

3) To insert data:

```
def registration_data():
    print("")
    name=input("Enter your Name: ")
    reason=input("Enter your Reason for Appointment: ")
    appointment_datetime=input("Enter the appointment data & time: ")
```

```

    fee=input("Enter the Consultancy Fee: ")
    update=input("Enter the update in time (if available): ")

    sql_registaration_data="insert into appointment_registration
(S_no,Name,`Reason for Appointment`,`Appointment Date and Time`,`Consultancy
Fee`,`Update in time (if any)` ) values (%s,%s,%s,%s,%s,%s)"
    val=(1,name,reason,appointment_datetime,fee,update)
    cursor.execute(sql_registaration_data,val)
    covid_db.commit()
    print("")
    print("Registration successful")

```

4) To verify login:

```

def view_login_data():
    username=input("Enter your Username: ")
    print("")
    sql_view_individual_login_data="SELECT * FROM login_database where Username =
%s;"
    cursor.execute(sql_view_individual_login_data,(username,))
    data = cursor.fetchall()
    print(data)
    covid_db.commit()
    print("")

```

Screenshots:

Database covid_data;



Table login_database:

	S_No	Username	Password	Name	Gender	Age	Mobile	Email
▶	628	nakshatra234	password@nakshtra	Nakshatra	F	8	9874563215	nakshatra234@gmail.com
	1357	prakashnathan	password@prakash896	Prakash	M	25	8547632546	prakashnathan896@gmail.com
	2358	girichand26	password@girichand	Girichand	M	26	9568743215	girichandha26@gmail.com
	2735	ssenthil	password@ssenthil	Senthil Amudhan .S	M	37	9865745896	senthil@gmail.com
	2756	chandru65	password@chandru65	Chandru	M	65	9874563215	chandru65@gmail.com
	5478	naveen256	password@naveen256	Naveen	M	34	7896541238	naveen256@gmail.com
	5608	pradeep342	password@pradeep342	Pradeep	M	21	9865741235	pradeepkumar342@gmail.com
	8883	harini123	password@harini123	Harini	F	33	9874563215	harinirr@gmail.com
	9476	ddinesh256	password@ddinesh	Dinesh	M	26	8569856742	dineshkumaran256@gmail.com
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Table medical_database:

	S_No	Name	Age	Test Type	Test Date	Test Done by	Test Result	Amount paid for Test
▶	1	Sanjeev	25	Covid	29/08/23	Lab Assistant prithvee	NEGATIVE	600
	37	Girichand	26	Covid	29/08/23	Lab Assistant Prithvee	POSITIVE	600
	37	Surendar	56	Covid	27/09/22	Lab Assisted Prithvee	POSITIVE	600
	6642	Nakshatra	9	Blood Test	29/08/23	Lab Assistant Prithvee	O +VE	125
	7183	Rajii	26	Covid	29/08/23	Lab Assistant Prithvee	POSITIVE	600
	8744	Ram Kumar	42	Covid	25/08/23	Lab Assistant Prithvee	NEGATIE	600
	9064	Gunalan	54	Covid	19/08/23	Lab Assistant Prithvee	POSITIVE	600
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Table admin_database:

	S.No	Admin ID	Admin Password	Name	Age	Branch	Post	Experience
▶	1	310001	admin@310001	Selvan	34	Adyar	Associate Developer	8 Years
	2	310002	admin@310002	Varun	26	Anna Nagar	Junior Developer	2 Years
	3	310003	admin@310003	Thilagam	38	Tambaram	Senior Executive	14 years
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Table appointment_registration:

	Name	Reason for Appointment	Appointment Date and Time	Consultancy fee	Update in time (if any)
▶	Nakshatra	cold	26/08/23 12.00 PM	500	None
	Harini	Sick	12/09/23 12:00 PM	250	None
	Girichand	Covid Treatment	15/09/23	500	None

Table **vaccination_details**:

	S_no	Name	Age	Vaccination Status	Vaccine Name	Vaccination Date	Payment for vaccine
▶	1	Nakshatra	8	Vaccinated	Covi-Shield	18/06/23	Free
	2	Dinesh	26	Vaccinated	Covi-Shield	06/05/22	Free
	3	Naveen	34	Vaccinated	Covi-Shield	12/08/22	Free
	4	Harini	33	Vaccinated	Co-vaccine	10/08/21	Free
	5	Pradeep	21	Vaccinated	Co-vaccine	15/08/21	Free
	6	Senthil Amudhan	37	Vaccinated	Co-vaccine	20/10/21	Free
	7	Prakash	25	Vaccinated	Co-vaccine	26/12/21	Free
	27	Kamal	62	Vaccinated	Covi-Shield	15/02/22	Free
	45	Girichand	26	Vaccinated	Co-vaccine	24/07/21	Free
	8924	Ganesh	36	Vaccinated	Covi-Shield	09/11/21	Free
	8925	Sundar	49	Vaccinated	Covi-Shield	31/06/23	Free

Table **death_details**:

	S.No	Name	Age	Gender	Death Date	Death Time	Vaccination Status	City	Treatment Status
▶	1	Ganesh M	65	Male	29/08/23	12.45 PM	Not Vaccinated	Chennai	No Treatments Taken
	2	Shruthi M	45	Female	13/05/23	03:05 PM	Not Vaccinated	Chennai	No Treatments Taken
	3	Sandra T	35	Female	29/08/23	11:15 AM	Not Vaccinated	Chennai	No Treatments Taken
	4	Tharun C	27	Male	19/07/23	04.57 AM	Not Vaccinated	Chennai	No Treatments Taken
	5	David S	49	Male	16/02/23	05.09 PM	Not Vaccinated	Chennai	No Treatments Taken
	7	Guru	69	Male	29/08/23	01:00 PM	Not Vaccinated	Chennai	