

## PROJECT 1: (Covid Information Database Management)

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### 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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affiliates. Other names may be trademarks of their respective
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)
```

#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): ")

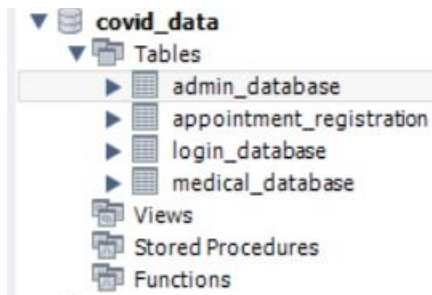
    sql_registaration_data="insert into appointment_registration
(S_no,Name,`Reason for Appointment`,`Appointment Date and Time`,`Consultancy
Fee`,`Update in time (if any)`) values (%s,%s,%s,%s,%s,%s)"
    val=(1,name,reason,appointment_datetime,fee,update)
    cursor.execute(sql_registaration_data,val)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

[illegible]





**Table medical\_database:**

[illegible]

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:

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 					
	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