

# Covid-19 Management System Outputs

**Tables in the MySQL database “priyanshidb”:**

```
mysql> use priyanshidb;
Database changed
mysql> show tables;
+-----+
| Tables_in_priyanshidb |
+-----+
| bill
| doctor
| family
| patient
| transport
| vaccine_detail
| ward
+-----+
7 rows in set (0.29 sec)
```

---

**Python and MySQL Code Execution Results:**

**Welcome message :**

```
PS C:\Users\Priyanshi Negi> python -u "d:\Projects\Covid-19 Management System\Optimized_Covid_Management_System.py"
Database connected successfully.
All necessary tables are ensured to exist.
*****
WELCOME TO COVID-19 MANAGEMENT SYSTEM
*****
Admin name: Priyanshi
Password: admin@123
Logged in successfully...
*****
WELCOME ADMIN
*****
```

---

## Main Menu:

```
=====
          MAIN MENU
=====
1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====
```

---

## Choice 1 Sub-Menu (Reception details):

There are 2 sub-choices.

```
=====
MAIN MENU
=====
1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====
Enter your choice: 1
1. Insert Wards Data
2. Insert Patient Transaction Details
```

## Choice 1.1

Python

```
Enter your choice: 1
1. Insert Wards Data
2. Insert Patient Transaction Details
Enter your choice: 1
Ward no: 12
Occupied or Vacant: Occupied
Enter the no. of beds in ward: 2
Successfully Registered!
Do you want to continue (y/n)? y
```

SQL

```
mysql> select * from ward;
+-----+-----+-----+
| ward | ward_stat | beds |
+-----+-----+-----+
| 12   | Occupied  |    2 |
+-----+-----+-----+
1 row in set (0.09 sec)
```

## Choice 1.2

Python

```
Enter your choice: 1
1. Insert Wards Data
2. Insert Patient Transaction Details
Enter your choice: 2
Enter the name of patient: Anjali Verma
Enter the no. of days patient was admitted for: 5
Enter room no. of patient: 12
Enter the amount already deposited or paid: 18000
Enter the payment method (a=cash, b=cheque, c=upi): c
Successfully Registered!
Do you want to continue (y/n)? y
```

SQL

```

mysql> select * from bill;
+-----+-----+-----+-----+-----+-----+
| b_name      | b_day | b_room | b_paid | b_amtdue | b_mtd |
+-----+-----+-----+-----+-----+-----+
| Anjali Verma |      5 |      12 | 18000 | 132000 | c      |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)

```

## Choice 2 (Transport details):

Python

```

=====
          MAIN MENU
=====
1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====
Enter your choice: 2
Enter the ambulance no.: 3422
Enter the name of driver: Ramesh Kumar
Enter the mobile no. of driver: 8934543324
Successfully Registered!
Do you want to continue (y/n)? y

```

SQL

```
mysql> select * from transport;
+-----+-----+-----+
| t_ambno | t_drv      | t_mob      |
+-----+-----+-----+
|    3422 | Ramesh Kumar | 8934543324 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

---

### Choice 3 Sub-Menu (Patient and family details):

There are 7 sub-choices.

```
=====
          MAIN MENU
=====

1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====

Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
```

### Choice 3.1

Python

```
Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 1
Enter Patient Name: Anjali Verma
Enter the admit date of patient: 8 April 2020
Enter Age: 31
Enter Phone number: 9823718212
Enter patients locality: A2, Park Avenue, Indiranagar
Enter the present condition of patient => Under Treatment(U)/Recovered(R)/Dead(D): U
Successfully Registered!
Do you want to continue (y/n)? y
```

SQL

```
mysql> select * from patient;
+-----+-----+-----+-----+-----+
| p_name | p_admt | p_age | p_mob | p_add           | p_stat |
+-----+-----+-----+-----+-----+
| Anjali Verma | 8 April 2020 | 31 | 9823718212 | A2, Park Avenue, Indiranagar | U      |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

## Choice 3.2

Python

```

Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 2
No. of family members in contact with patient: 2
No. of family members tested positive: 1
No. of family members undergoing treatment: 1
Successfully Registered!
Do you want to continue (y/n)? y

```

SQL

```

mysql> select * from family;
+---+---+---+
| k | n | d |
+---+---+---+
| 2 | 1 | 1 |
+---+---+---+
1 row in set (0.00 sec)

```

### Choice 3.3

```

-- Inserting patient records with different statuses into the "patient" table
INSERT INTO patient (p_name, p_admt, p_age, p_mob, p_add, p_status)
VALUES
('Alia Sharma', '20 April 2020', 45, '9876543210', '123 Elm Street', 'Recovered'),
('Simran Arora', '5 May 2020', 30, '9123456789', '456 Oak Road', 'Isolated'),
('Raj Singh', '2 May 2020', 60, '9988776655', '789 Pine Avenue', 'In Treatment'),
('Jay Bhatt', '5 June 2020', 25, '9776655443', '101 Maple Blvd', 'Dead')

```

```
('Shyam Shah', '8 Aug 2020', 50, '9887766554', '202 Cedar Lane,  
'Kriti Singh', '12 Sept', 35, '9665443321', '303 Birch Street,
```

```
mysql> INSERT INTO patient (p_name, p_admt, p_age, p_mob, p_add, p_stat)  
-> VALUES  
-> ('Alia Sharma', '20 April 2020', 45, '9876543210', '123 Elm Street, Downtown', 'P'),  
-> ('Simran Arora', '5 May 2020', 30, '9123456789', '456 Oak Road, Suburbia', 'R'),  
-> ('Raj Singh', '2 May 2020', 60, '9988776655', '789 Pine Avenue, Uptown', 'D'),  
-> ('Jay Bhatt', '5 June 2020', 25, '9776655443', '101 Maple Blvd, Midtown', 'U'),  
-> ('Shyam Shah', '8 Aug 2020', 50, '9887766554', '202 Cedar Lane, West Side', 'P'),  
-> ('Kriti Singh', '12 Sept', 35, '9665443321', '303 Birch Street, Lakeside', 'R');  
Query OK, 6 rows affected (0.14 sec)  
Records: 6  Duplicates: 0  Warnings: 0
```

Python

```
Enter your choice: 3  
1. Insert Patient Details  
2. Insert Patients Family Details  
3. Total No. of Patients Tested Positive  
4. Total Patients Recovered  
5. Total Patients Dead  
6. Total Patients Under Treatment  
7. Update Patient Status  
Enter your choice: 3  
Total Positive Patients: 2  
Do you want to continue (y/n)? y
```

SQL

```

mysql> select * from patient;
+-----+-----+-----+-----+-----+-----+
| p_name | p_admt | p_age | p_mob | p_add | p_stat |
+-----+-----+-----+-----+-----+-----+
| Anjali Verma | 8 April 2020 | 31 | 9823718212 | A2, Park Avenue, Indiranagar | U |
| Alia Sharma | 20 April 2020 | 45 | 9876543210 | 123 Elm Street, Downtown | P |
| Simran Arora | 5 May 2020 | 30 | 9123456789 | 456 Oak Road, Suburbia | R |
| Raj Singh | 2 May 2020 | 60 | 9988776655 | 789 Pine Avenue, Uptown | D |
| Jay Bhatt | 5 June 2020 | 25 | 9776655443 | 101 Maple Blvd, Midtown | U |
| Shyam Shah | 8 Aug 2020 | 50 | 9887766554 | 202 Cedar Lane, West Side | P |
| Kriti Singh | 12 Sept | 35 | 9665443321 | 303 Birch Street, Lakeside | R |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

```

## Choice 3.4

Python

```

Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 4
Total Recovered Patients: 2
Do you want to continue (y/n)? y

```

SQL (refer the same table as in choice 3.3)

## Choice 3.5

Python

```
Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 5
Total Dead Patients: 1
Do you want to continue (y/n)? y
```

SQL (refer the same table as in choice 3.3)

## Choice 3.6

Python

```
Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 6
Total Patients Under Treatment: 2
Do you want to continue (y/n)? y
```

SQL (refer the same table as in choice 3.3)

## Choice 3.7

Python

```

Enter your choice: 3
1. Insert Patient Details
2. Insert Patients Family Details
3. Total No. of Patients Tested Positive
4. Total Patients Recovered
5. Total Patients Dead
6. Total Patients Under Treatment
7. Update Patient Status
Enter your choice: 7
Enter Patient Name to Update Status: Jay Bhatt
Enter new status: R
Successfully Registered!
Do you want to continue (y/n)? y

```

SQL

```

mysql> select * from patient;
+-----+-----+-----+-----+-----+-----+
| p_name | p_admt | p_age | p_mob | p_add | p_stat |
+-----+-----+-----+-----+-----+-----+
| Anjali Verma | 8 April 2020 | 31 | 9823718212 | A2, Park Avenue, Indiranagar | U
| Alia Sharma | 20 April 2020 | 45 | 9876543210 | 123 Elm Street, Downtown | P
| Simran Arora | 5 May 2020 | 30 | 9123456789 | 456 Oak Road, Suburbia | R
| Raj Singh | 2 May 2020 | 60 | 9988776655 | 789 Pine Avenue, Uptown | D
| Jay Bhatt | 5 June 2020 | 25 | 9776655443 | 101 Maple Blvd, Midtown | U
| Shyam Shah | 8 Aug 2020 | 50 | 9887766554 | 202 Cedar Lane, West Side | P
| Kriti Singh | 12 Sept | 35 | 9665443321 | 303 Birch Street, Lakeside | R
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> select * from patient;
+-----+-----+-----+-----+-----+-----+
| p_name | p_admt | p_age | p_mob | p_add | p_stat |
+-----+-----+-----+-----+-----+-----+
| Anjali Verma | 8 April 2020 | 31 | 9823718212 | A2, Park Avenue, Indiranagar | U
| Alia Sharma | 20 April 2020 | 45 | 9876543210 | 123 Elm Street, Downtown | P
| Simran Arora | 5 May 2020 | 30 | 9123456789 | 456 Oak Road, Suburbia | R
| Raj Singh | 2 May 2020 | 60 | 9988776655 | 789 Pine Avenue, Uptown | D
| Jay Bhatt | 5 June 2020 | 25 | 9776655443 | 101 Maple Blvd, Midtown | R
| Shyam Shah | 8 Aug 2020 | 50 | 9887766554 | 202 Cedar Lane, West Side | P
| Kriti Singh | 12 Sept | 35 | 9665443321 | 303 Birch Street, Lakeside | R
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

```

## Choice 4 (Doctor details):

Python

```
=====
MAIN MENU
=====
1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====
Enter your choice: 4
Enter Doctor Name: Kalpana Shukla
Enter the Department: 5
Enter Phone number: 9396374625
Successfully Registered!
Do you want to continue (y/n)? y
```

SQL

```
mysql> select * from doctor;
+-----+-----+-----+
| d_name        | d_dept | d_mob      |
+-----+-----+-----+
| Kalpana Shukla |      5 | 9396374625 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

---

### Choice 5 Sub-Menu (Vaccine details):

There are 3 sub-choices.

```
=====
          MAIN MENU
=====

1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====

Enter your choice: 5
1. Vaccine details
2. Total Vaccinated Patients
3. Check Available Vaccines
```

## Choice 5.1

Python

```
Enter your choice: 5
1. Vaccine details
2. Total Vaccinated Patients
3. Check Available Vaccines
Enter your choice: 1
Enter the date of arrival: 5 Jan 2021
Enter the number of vaccines arrived: 75
Enter the number of patients vaccinated: 38
Successfully Registered!
Do you want to continue (y/n)? y
```

SQL

```
mysql> select * from vaccine_detail;
+-----+-----+-----+-----+
| v_date | v_no | v_pat | v_left |
+-----+-----+-----+-----+
| 5 Jan 2021 | 75 | 38 | 37 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

## Choice 5.2

Python

```
Enter your choice: 5
1. Vaccine details
2. Total Vaccinated Patients
3. Check Available Vaccines
Enter your choice: 2
Total Vaccinated Patients: 38.0
Do you want to continue (y/n)? Y
```

SQL (refer the same table as in choice 5.1)

### Choice 5.3

Python

```
Enter your choice: 5
1. Vaccine details
2. Total Vaccinated Patients
3. Check Available Vaccines
Enter your choice: 3
Available Vaccines: 37.0
Do you want to continue (y/n)? y
```

SQL (refer the same table as in choice 5.1)

---

### Choice 6 Sub-Menu (View all records):

```
=====
          MAIN MENU
=====

1. Reception details
2. Transport details
3. Patient and family details
4. Doctor details
5. Vaccine details
6. View all records
=====

Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
```

## Choice 6.1

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 1
('Anjali Verma', 5, 12, 18000, 132000, 'c')
Do you want to continue (y/n)? y
```

## Choice 6.2

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 2
(3422, 'Ramesh Kumar', 8934543324)
Do you want to continue (y/n)? y
```

## Choice 6.3

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 3
('Anjali Verma', '8 April 2020', 31, 9823718212, 'A2, Park Avenue, Indiranagar', 'U')
('Alia Sharma', '20 April 2020', 45, 9876543210, '123 Elm Street, Downtown', 'P')
('Simran Arora', '5 May 2020', 30, 9123456789, '456 Oak Road, Suburbia', 'R')
('Raj Singh', '2 May 2020', 60, 9988776655, '789 Pine Avenue, Uptown', 'D')
('Jay Bhatt', '5 June 2020', 25, 9776655443, '101 Maple Blvd, Midtown', 'R')
('Shyam Shah', '8 Aug 2020', 50, 9887766554, '202 Cedar Lane, West Side', 'P')
('Kriti Singh', '12 Sept', 35, 9665443321, '303 Birch Street, Lakeside', 'R')
Do you want to continue (y/n)? y
```

## Choice 6.4

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 4
(2, 1, 1)
Do you want to continue (y/n)? y
```

## Choice 6.5

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 5
('Kalpana Shukla', 5, 9396374625)
Do you want to continue (y/n)? y
```

## Choice 6.6

Python

```
Enter your choice: 6
1. Bill records
2. Transport records
3. Patient records
4. Family records
5. Doctor records
6. Vaccine records
Enter your choice: 6
('5 Jan 2021', 75.0, 38.0, 37.0)
Do you want to continue (y/n)? n
```