Synopsis

Scope of project-

Frontend- Python
Backend- MySQL
This project is made using python as its frontend language and MySQL as the backbone database of this project.
We have shown the availability of variety of vaccines free and paid both, the availability of covid tests, we have developed features for booking of slots for vaccine which makes it easy for everyone to get vaccinated and help to cure this global pandemic.

This is a simple python based project which assures that the user gets vaccine timely and get covid tested and consult professional doctors too. The user can register and book the slots for vaccine/covid test and doctor appointments.

Admins can use this program to add remove or update slots and commit those changes in the database as well.

Future Implications-

There is a lot of future for this as it has such wide

implications. Some new features can be added in later such as:

- Link with maps to get exact location of centers
- Booking more than one slot/appointment.
- Verification through AADHAR card digitally.
- Verify number using OTP validation.
- Call for notifying slots through call centers.

Who are the users-

Any person who requires RTPCR (Covid test), book vaccination slots for any dose or wants any consultation from doctors regarding developing or prevailing symptoms of Covid can sign up on our user friendly software.

Modules Included in VMS (Vaccine Management System)-

- Report of vaccination
- Admin can view and modify all the data stored in the program
- List of vaccine centers
- List of covid test centers
- List of available doctors
- Slots/appointments date, slot, time and price
- User can view their upcoming appointments/slots of their respective accounts in the program

Features

- *Availability of vaccines-*
  - *Vaccine alpha (Dose 1)*
  - *Vaccine delta (Dose 2)*
- *Appointment with professional doctors 24×7.*
- *Covid test slots available through the program.*
- *To login as Admin, a 6 - digit unique verification code is set which allows the person to access his/her admin panel.*
- *Admin can person actions such as add update view or remove data as per need.*

Use/Purpose

- *User Friendly*
- *Contact professional doctors anytime to covid related questions and symptoms.*
- *Easy slot bookings for covid test and results in 24 hours*
- *Anyone can login/signup as an admin/user and get the related information easily.*
- *User can view his/her upcoming schedules using this program.*
- *User can fill in the details once while signup and then can continue to use the program without adding any more details.*

Hardware and Software Requirements

Software requirements:

- Operating System- Mac, Windows, Linux
- Technology- Python, MySQL
- Database- MySQL 8.0 and above
- Python Version – py.3.8.0 and above
- Modules- Mysql.connector
  Tabulate

Minimum Hardware requirements:

- Processor- Intel Core 2 Duo/ Amd Opteron
- Ram- 2GB

Input / Output

Input

The main input stage are-

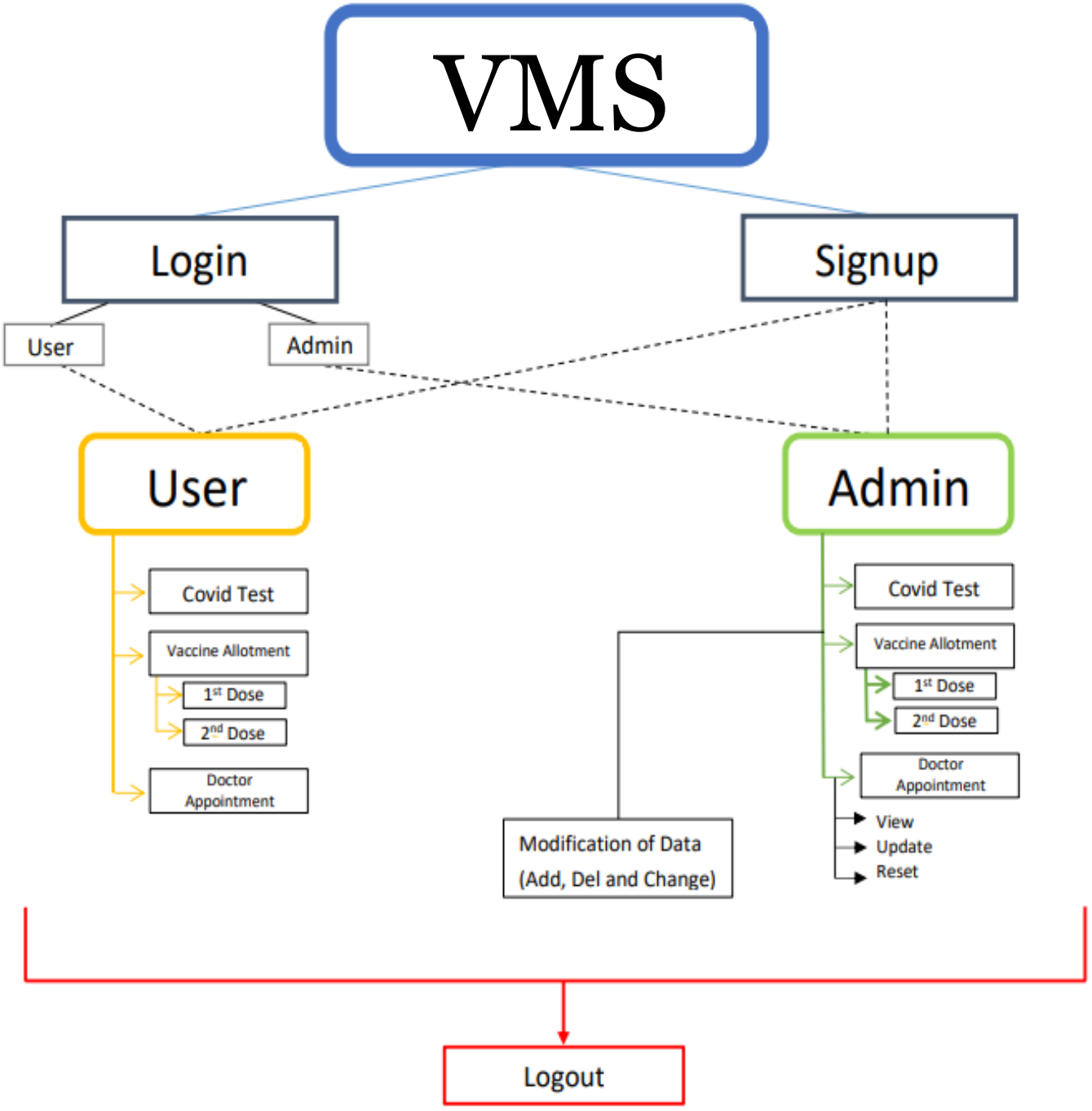
- Login/Signup
- Covid Test allotment
- Personal Information
- Validation of Information
- Admin Options such as- add, remove or modify data

Output

The main output stage are-

- Available slots
- Location of Vaccine Centers
- Number of doctor.

Program Flow



*VMS-Vaccine Management System

Input

1. Main Program.py

```
import mysql.connector
from tabulate import tabulate
x=input("Enter Your MySQL password : ")
con=mysql.connector.connect(host='localhost',user='root',password=x)
if con.is_connected():
    print('Connection successful')
#creating database
cur=con.cursor()
cur.execute('use project')
flag=True
flag1=True
flag2=True
print("      _____________________________________________________________________ ")
print("     |                                                                     |")
print("     |                    *       * *       *  ******                    |")
print("     |                     *     *  **     ** *                           |")
print("     |                      *   *   * *   * *  ******                    |")
print("     |                       * *    *  * *  *        *                   |")
print("     |                        *     *   *   *  ******                    |")
print("     |                      (Vaccine Management System)                    |")
print("     |_____________________________________________________________________|")
while flag:
    accorlog=input("Enter (1) to Signup\nEnter (2) to Login\nEnter (3) to Exit:")
    print("\n")
    if accorlog =="1":
        username=input("Enter accounts Username to add: ")

        pwd=input("Enter account password to add: ")
        name = input("Enter your name: ")
        number = input("Enter your mobile number: ")
        dob = input("Enter your DOB (YYYY-MM-DD Format): ")
        Gender = input("Enter your Gender (M/F): ")
        while True:
            query1="Select * from accounts where Username='{}'".format(username)
            cur.execute(query1)
            if cur.fetchone()==None:
                query="INSERT INTO
    accounts(Username,Name,Number,DOB,Gender,password)values('{}','{}',{},'{}','{}','
    {}')".format(username,name,number,dob,Gender,pwd)
                cur.execute(query)
                query2="INSERT INTO slots(Username)values('{}')".format(username)
                cur.execute(query2)
                con.commit()
                print("Signed Up Successfully")
                break
            else:
                print("Username Already Exists")
                break
```

```
  elif accorlog =="2":
choice=input("1-> To Login as User\n2-> To Login as Admin:\n")
#User
if choice=="1":
    cur.execute('use project')
    username=input("Enter Username: ")
    pwd=input("Enter Password: ")
    query1="Select * from accounts where Username='{}' and
   password='{}'".format(username,pwd)
    cur.execute(query1)
    if cur.fetchone()==None:
        print("Invalid Credentials")
    else:
        query1="Select username from accounts where Username='{}'".format(username)
        cur.execute(query1)
        x=cur.fetchone()
        print("Welcome back",x[0],"!")
        while True:
            print("************************************")
            print("*        VACCINE MANAGEMENT        *")
            print("*        ------------------        *")
            print("*         1.Covid Test             *")
            print("*         2.Vaccine Allotment      *")
            print("*         3.Doctor Appointment     *")
            print("*         4.View Your Schedule     *")
            print("*         5.Logout                 *")
            print("************************************")
            choice = int(input("Enter your choice: "))
            if choice == 1:
                cur.execute('use project')
                sql_select_Query = "select * from covid"
                cur.execute(sql_select_Query)
                print (tabulate (cur.fetchall(), headers=['SNO', 'Test_Name',
   'Centre_Name', 'Location','Days','Time','Price'], tablefmt="fancy_grid"))
                while True:
                    slot=input("Enter the option you want to use\nPress E to exit:")
                    query1="Select * from covid where SNO='{}'".format(slot)
                    cur.execute(query1)
                    if cur.fetchone()==None:
                        print("Enter Correct Value")
                    else:
                        query1="update slots set Covidtest_slot={} where
   username='{}'".format(slot,username)
                        cur.execute(query1)
                        con.commit()
                        print("Slot Updated")
                        break


                print("-----------------------------------------------------------
   -------------")
                print("-----------------------------------------------------------
   -------------")
                print("\n\n\n\n\n")
```

```
        elif choice == 2:
            cur.execute('use project')
            sql_select_Query = "select * from vaccine"
            cur.execute(sql_select_Query)
            print (tabulate (cur.fetchall(), headers=['SNO', 'Vaccine_Name',
'Centre_Name', 'Location','Date_of_availablity','Time_of_slot','Price'],
tablefmt="fancy_grid"))
            while True:
                slot=input("Enter the option you want to use\nPress E to exit:")
                query1="Select * from vaccine where SNO='{}'".format(slot)
                cur.execute(query1)
                if cur.fetchone()==None:
                    print("Enter Correct Value")
                else:

                    query1="update slots set Vaccine_slot={} where
username='{}'".format(slot,username)
                    cur.execute(query1)
                    con.commit()
                    print("Slot Updated")
                    break
            print("-------------------------------------------------------------
-------------------------------------")
            print("-------------------------------------------------------------
-------------------------------------")
            print("\n\n\n\n\n")

            break



        elif choice == 3:
            cur.execute('use project')
            sql_select_Query = "select * from doctor"
            cur.execute(sql_select_Query)
            print (tabulate (cur.fetchall(), headers=['SNO', 'Doctors_Name',
'Clinic_Name', 'Location','Contact_Number','Email_id'], tablefmt="fancy_grid"))
            while True:
                slot=input("Enter the option you want to use\nPress E to exit:
")
                query1="Select * from doctor where SNO='{}'".format(slot)
                cur.execute(query1)
                if cur.fetchone()==None:
                    print("Enter Correct Value")
                else:
                    query1="update slots set doctor_appointment={} where
username='{}'".format(slot,username)
                    cur.execute(query1)
                    con.commit()
                    print("Slot Updated")
                    break
            print("-------------------------------------------------------------
-------------------------------------")
            print("-------------------------------------------------------------
-------------------------------------")
            print("\n\n\n\n\n")
```

```
                    break

            elif choice == 4:
                query="Select * from slots where Username='{}'".format(username)
                cur.execute(query)
                print("Users Schedule :")
                print (tabulate (cur.fetchall(),
   headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
   tablefmt="fancy_grid"))


            elif choice ==5:
                break
            else:
                print("Wrong Choice")



#Admin
elif choice=="2":
    cur.execute('use project')
    admcode=input("Enter Your unique Admin Code: ")
    query1="Select * from admacc where Admin_Code='{}'".format(admcode)
    cur.execute(query1)
    if cur.fetchone()==None:
        print("Invalid Admin Code")
    else:
        query1="Select Name from admacc where Admin_Code='{}'".format(admcode)
        cur.execute(query1)
        x=cur.fetchone()
        print("Hello",x[0])
        while True:
            cur.execute('use project')
            print("************************************")
            print("*         VACCINE MANAGEMENT       *")
            print("*         ------------------       *")
            print("*          1.View Data             *")
            print("*          2.Update Data           *")
            print("*          3.Delete Data           *")
            print("*          4.Add Data              *")
            print("*          5.Logout                *")
            print("************************************")
            choice = int(input("Enter your choice: "))
            if choice == 1:
                while True:
                    print("Which Table do you want to view?")
                    print("1.Covid Test")
                    print("2.Vaccine Allotment")
                    print("3.Doctor Appointment")
                    print("4.View All Schedule")
                    print("5.Back")
                    choice = int(input("Enter your choice: "))
                    if choice == 1:
                        sql_select_Query = "select * from covid"
                        cur.execute(sql_select_Query)
```

```
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))

                elif choice == 2:
                    sql_select_Query = "select * from vaccine"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))

                elif choice == 3:
                    sql_select_Query = "select * from doctor"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
tablefmt="fancy_grid"))

                elif choice == 4:
                    cur.execute('use project')
                    query1="Select * from slots"
                    cur.execute(query1)
                    print("Users Schedule :")
                    print (tabulate (cur.fetchall(), headers=['Username','Covid
Test Slot','Vaccine Slot','Doctor Appointment'], tablefmt="fancy_grid"))


                elif choice==5:
                    break
                else:
                    print("Wrong Choice")
            print("-----------------------------------------------------------------
---------------------------------")
            print("-----------------------------------------------------------------
---------------------------------")
            print("\n\n\n\n\n")

        elif choice == 2:
            while True:
                print("In which table you want to update values")
                print("1.Covid Test")
                print("2.Vaccine Allotment")
                print("3.Doctor Appointment")
                print("4.Back")
                choice = int(input("Enter your choice: "))

                if choice == 1:
                    sql_select_Query = "select * from covid"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))
                    print("Which SNO's Price do you want to update? ")
                    SNO = int(input("Enter the SNO value: "))
                    Price = int(input("Enter the price value: "))
```

```
                    sqlUpdate = "UPDATE covid SET Price ={} WHERE SNO
={}".format(Price,SNO)

                        # Execute query and commit changes.
                    cur.execute(sqlUpdate)
                    con.commit()
                        # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from covid"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))


                elif choice == 2:
                    sql_select_Query = "select * from vaccine"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))
                    print("Which SNO's Price do you want to update? ")
                    SNO = int(input("Enter the SNO value: "))
                    Price = int(input("Enter the price value: "))
                    sqlUpdate = "UPDATE vaccine SET Price ={} WHERE SNO
={}".format(Price,SNO)

                        # Execute query and commit changes.
                    cur.execute(sqlUpdate)
                    con.commit()
                    # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from vaccine"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))


                elif choice == 3:
                    sql_select_Query = "select * from doctor"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
tablefmt="fancy_grid"))
                    SNO = int(input("Enter the SNO whose number you want to
update? "))
                    Contact_Number = int(input("Enter the Contact Number: "))
                    sqlUpdate = "UPDATE doctor SET Contact_Number ={} WHERE SNO
={}".format(Contact_Number,SNO)
                        # Execute query and commit changes.
                    cur.execute(sqlUpdate)
                    con.commit()
                    # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from doctor"
```

```
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
tablefmt="fancy_grid"))
                elif choice == 4:
                    break
                else:
                    print("Wrong Choice")
                print("------------------------------------------------------------
-------------------------------------")
                print("------------------------------------------------------------
-------------------------------------")
                print("\n\n\n\n\n")


        elif choice == 3:
            while True:
                print("In which table you want to delete values")
                print("1.Covid Test")
                print("2.Vaccine Allotment")
                print("3.Doctor Appointment")
                print("4.Schedule")
                print("5.User")
                print("6.Back")
                choice = int(input("Enter your choice:"))

                if choice == 1:
                    sql_select_Query = "select * from covid"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))
                    SNO=int(input("Enter the SNO you want to delete: "))

                    sql = "DELETE FROM covid WHERE SNO = %s"
                    adr = (SNO,)

                    cur.execute(sql, adr)
                    con.commit()
                # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from covid"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))

                elif choice == 2:
                    sql_select_Query = "select * from vaccine"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))

                    print("Which SNO do you want to delete? ")
                    SNO = int(input("Enter the SNO: "))
                    sql = "DELETE FROM vaccine WHERE SNO = %s"
```

```
                    adr = (SNO,)

                    cur.execute(sql, adr)
                    con.commit()
                    # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from vaccine"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))


                elif choice == 3:
                    sql_select_Query = "select * from doctor"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
tablefmt="fancy_grid"))
                    print("Which SNO do you want to delete? ")
                    SNO = int(input("Enter the SNo you want to delete: "))
                    sql = "DELETE FROM doctor WHERE SNO = %s"
                    adr = (SNO,)

                    cur.execute(sql, adr)
                    con.commit()
                    # Confirm successful updating of person information.
                    print("Information updated successfully.")
                    sql_select_Query = "select * from doctor"
                    cur.execute(sql_select_Query)
                    print (tabulate (cur.fetchall(), headers=['SNO',
'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
tablefmt="fancy_grid"))

                elif choice==4:
                    print("Which user slot would you like to remove")
                    cur.execute('select * from slots')
                    print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))
                    username=input("Enter your username: ")
                    query="select * from slots where
Username='{}'".format(username)
                    cur.execute(query)

                    if cur.fetchone() == None:
                        print("Username Not Found")
                    else:
                        while True:
                            print("Which Slot would you like to remove")
                            print("1.Covid Test")
                            print("2.Vaccine Allotment")
                            print("3.Doctor Appointment")
                            print("4.Back")
                            choice1=int(input("Enter value: "))
                            if choice1 == 1:
```

```
                                    query1="update slots set Covidtest_slot=Null
where username='{}'".format(username)
                                    cur.execute(query1)
                                    con.commit()
                                    cur.execute('select * from slots')
                                    print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))

                                    print("Slot updated successfully!")
                                elif choice1 == 2:
                                    query1="update slots set Vaccine_slot=Null where
username='{}'".format(username)
                                    cur.execute(query1)
                                    con.commit()
                                    cur.execute('select * from slots')
                                    print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))
                                    print("Slot updated successfully!")
                                elif choice1 == 3:
                                    query1="update slots set Doctor_appointment=Null
where username='{}'".format(username)
                                    cur.execute(query1)
                                    con.commit()
                                    cur.execute('select * from slots')
                                    print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))
                                    print("Slot updated successfully!")
                                elif choice1 == 4:
                                    break
                                else:
                                    print("Enter Correct values")



                    elif choice==5:
                        print("Which user slot would you like to remove")
                        cur.execute('select * from slots')
                        print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))
                        username=input("Enter your username: ")
                        query="select * from slots where
Username='{}'".format(username)
                        cur.execute(query)
                        if cur.fetchone() == None:
                            print("Username Not Found")
                        else:
                            query="DELETE FROM slots WHERE
Username='{}'".format(username)
                            cur.execute(query)
                            con.commit()
                            cur.execute('select * from slots')
```

```
                        print (tabulate (cur.fetchall(),
headers=['Username','Covidtest_Slot','Vaccine_slot','Doctor_appointment'],
tablefmt="fancy_grid"))
                        print("User removed successfully!")

                elif choice==6:
                    break
                else:
                    print("Wrong Choice")


        elif choice == 4:
            while True:
                    print("In which table you want to add slots")
                    print("1.Covid Test ")
                    print("2.Vaccine Allotment ")
                    print("3.Doctor Appointment")
                    print("4.Back")
                    choice1=int(input("Enter your Choice: "))
                    if choice1 == 1:
                        cur.execute('select * from Covid')
                        print (tabulate (cur.fetchall(), headers=['SNO',
'Test_Name', 'Centre_Name', 'Location','Days','Time','Price'],
tablefmt="fancy_grid"))
                        sno=int(input("Enter the Sno of new row: "))
                        query="select * from Covid where SNO= '{}'".format(sno)
                        cur.execute(query)
                        if cur.fetchone() == None:
                            testname=input("Enter Covid Test Name: ")
                            cntrname=input("Enter Centre Name: ")
                            location=input("Enter Location: ")
                            days=input("Enter open days: ")
                            time=input("Enter time slot: ")
                            price=input("Enter Test price: ")
                            query="insert into
covid(SNO,Test_Name,Centre_Name,Location,Days,Time,Price)values({},'{}','{}','{}'
,'{}','{}',{})".format(sno,testname,cntrname,location,days,time,price)
                            cur.execute(query)
                            con.commit()
                            print("Slot added successfully!")
                        else:
                            print("SNO already exists")
                    elif choice1 == 2:
                        cur.execute('select * from Vaccine')
                        print (tabulate (cur.fetchall(), headers=['SNO',
'Vaccine_Name', 'Centre_Name',
'Location','Date_of_availablity','Time_of_slot','Price'], tablefmt="fancy_grid"))
                        sno=int(input("Enter the Sno of new row: "))
                        query="select * from vaccine where SNO=
'{}'".format(sno)
                        cur.execute(query)
                        if cur.fetchone() == None:
                            vacname=input("Enter Vaccine Test Name: ")
                            cntrname=input("Enter Centre Name: ")
                            location=input("Enter Location: ")
                            days=input("Enter open days: ")
                            time=input("Enter time slot: ")
```

```
                                price=input("Enter Test price: ")
                                query="insert into
    vaccine(SNO,Vaccine_Name,Centre_Name,Location,Date_of_availablity,Time_of_slot,Pr
    ice)values({},'{}','{}','{}','{}','{}',{})".format(sno,vacname,cntrname,location,
    days,time,price)
                                cur.execute(query)
                                con.commit()
                                print("Slot added successfully!")
                            else:
                                print("SNO already exists")
                        elif choice1 == 3:
                            cur.execute('select * from Doctor')
                            print (tabulate (cur.fetchall(), headers=['SNO',
    'Doctors_Name', 'Clinic_Name', 'Location','Contact_Number','Email_id'],
    tablefmt="fancy_grid"))
                            sno=int(input("Enter the Sno of new row: "))
                            query="select * from doctor where SNO= '{}'".format(sno)
                            cur.execute(query)
                            if cur.fetchone() == None:
                                docname=input("Enter Doctor Name: ")
                                cntrname=input("Enter Centre Name: ")
                                location=input("Enter Location: ")
                                contact=input("Enter contact number: ")
                                email=input("Enter Email id: ")
                                query="insert into
    doctor(SNO,Doctors_Name,Clinic_Name,Location,Contact_Number,Email_id)values({},'{
    }','{}','{}','{}','{}')".format(sno,docname,cntrname,location,contact,email)
                                cur.execute(query)
                                con.commit()
                                print("Slot added successfully!")
                            else:
                                print("SNO already exists")
                        elif choice1 == 4:
                            break
                        else:
                            print("Enter correct values")


                elif choice == 5:
                    break
                else:
                    print("Wrong Choice")
                    print("-----------------------------------------------------------------
    ---------------------------------")
                    print("-----------------------------------------------------------------
    ---------------------------------")
                    print("\n\n\n\n\n")


        else:
            print("Enter values 1 or 2")

elif accorlog =="3":
    flag=False

else:
    print("Enter values 1 or 2 or 3")
```

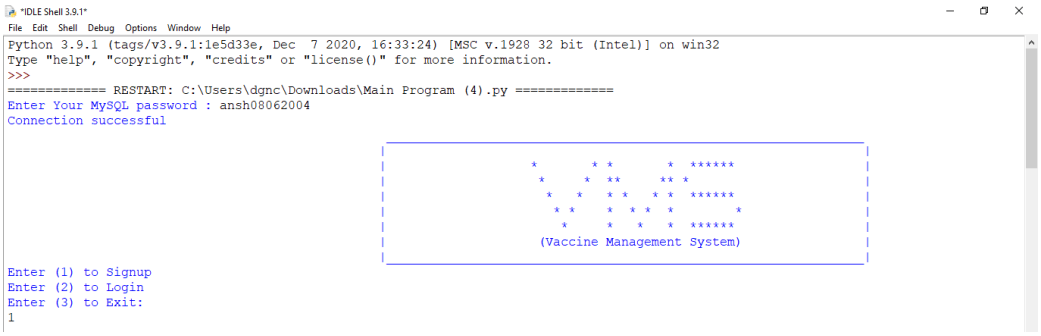
2.Database.py

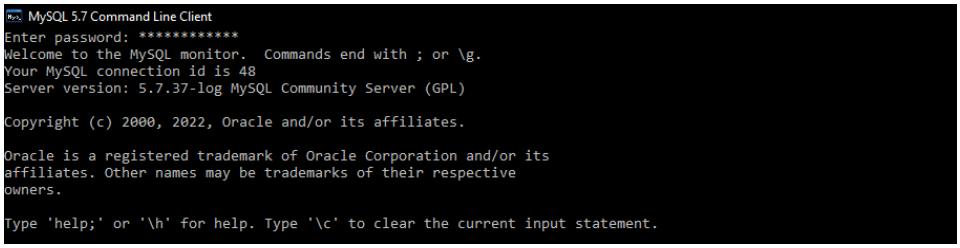
```
import mysql.connector
x=input("Enter Your MySQL password : ")
con=mysql.connector.connect(host='localhost',user='root',password=x)
if con.is_connected():
    print('Connection successful')

#creating database
cur=con.cursor()
cur.execute('create database project')
cur.execute('use project')
cur.execute("CREATE TABLE admacc (Admin_Code varchar(6) primary key,Name varchar(20)
default 'Admin')")
cur.execute("insert into admacc values('980290','')")
con.commit()
cur.execute("insert into admacc values('248540','Shalini Verma')")
con.commit()
cur.execute("insert into admacc values('847240','Sakshi Mam')")
con.commit()
cur.execute("insert into admacc values('200005','Ansh Sharma')")
con.commit()
cur.execute("insert into admacc values('100007','Siddharth Gaur')")
con.commit()
cur.execute("create table accounts (Username varchar(50) primary key,Name varchar(50)
NOT NULL,Number varchar(15) NOT NULL,DOB date NOT NULL,Gender varchar(1) default
'M',Password varchar(15) NOT NULL)")
cur.execute("create table slots (Username varchar(50), Covidtest_slot int default
Null, Vaccine_slot int default Null, Doctor_appointment int default Null)")

#creating table vaccine
cur.execute("create table vaccine(SNO integer primary key,Vaccine_Name varchar(50) NOT
NULL,Centre_Name varchar(20) NOT NULL,Location varchar(20),Date_of_availablity date,
Time_of_slot varchar(10) NOT NULL,Price integer)")

#inserting values into vaccine
cur.execute("insert into vaccine values(01,'Vaccine Alpha (dose 1)','centre
A','Rohini','2022-03-12','10-11 AM',1200)")
con.commit()
cur.execute("insert into vaccine values(02,'Vaccine Alpha (dose 2)','centre
B','Pitampura','2022-03-20','9-10 AM',1000)")
con.commit()
cur.execute("insert into vaccine values(03,'Vaccine Delta (dose 1)','centre
A','Rohini','2022-03-15','12-02 PM',1400)")
con.commit()
cur.execute("insert into vaccine values(04,'Vaccine Delta (dose 1)','centre
C','Mayapuri','2022-03-21','11-01 PM',00)")
con.commit()
cur.execute("insert into vaccine values(05,'Vaccine Alpha (dose 2)','centre
C','Mayapuri','2022-03-13','12-01 PM',00)")
con.commit()
cur.execute("insert into vaccine values(06,'Vaccine Delta (dose 2)','centre
B','Pitampura','2022-03-18','9-11 AM',1500)")
con.commit()

#creating table covid
```

```
cur.execute("create table covid(SNO integer primary key,Test_Name varchar(10) default
'Rapid',Centre_Name varchar(20) NOT NULL,Location varchar(20),Days varchar(20) NOT
NULL, Time varchar(20),Price integer default 00)")

#inserting values into covid
cur.execute("insert into covid values(01,'Rapid','centre A','Rohini','MON-FRI','08-12
PM',1000)")
con.commit()
cur.execute("insert into covid values(02,'RT-PCR','centre A','Rohini','MON-FRI','12-04
PM',1500)")
con.commit()
cur.execute("insert into covid values(03,'Rapid','centre B','Pitampura','MON-SUN','08-
10 AM',800)")
con.commit()
cur.execute("insert into covid values(04,'RT-PCR','centre B','Pitampura','MON-
SUN','10-12 PM',1200)")
con.commit()
cur.execute("insert into covid values(05,'Rapid','centre C','Mayapuri','SAT-SUN','08-
06 PM',00)")
con.commit()
cur.execute("insert into covid values(06,'RT-PCR','centre C','Mayapuri','SAT-SUN','08-
06 PM',00)")
con.commit()

#creating table doctor
cur.execute("create table doctor(SNO integer primary key,Doctors_Name varchar(20) NOT
NULL,Clinic_Name varchar(20) unique,Location varchar(20),Contact_Number varchar(15)
unique,Email_id varchar(40) unique)")

#inserting values into doctor
cur.execute("insert into doctor values(01,'Dr. Arun Kumar','Arun Clinic','Model
Town','9912346509','arunkumar@gmail.com')")
con.commit()
cur.execute("insert into doctor values(02,'Dr. Ankita Sharma','Ankita
Clinic','Rohini','8910304678','asharma@hotmail.com')")
con.commit()
cur.execute("insert into doctor values(03,'Dr. Vijay Devgun','Vijay
Clinic','Dwarka','7679980534','vijay@gmail.com')")
con.commit()
cur.execute("insert into doctor values(04,'Dr. Rajiv Bhatia','Rajiv
Clinic','Saket','9099902005','rajivbhatia@yahoo.com')")
con.commit()
cur.execute("insert into doctor values(05,'Dr. Gayatri Verma','Gayatri
Clinic','Pitampura','8907604321','g.verma@gmail.com')")
con.commit()
cur.execute("insert into doctor values(06,'Dr. Vikas Gupta','Vikas Clinic','Rajouri
Garden','8899685417','vikasgupta1@gmail.com')")
con.commit()
print("\n\n\n")
print("Databases Created")
```

Output

1. SIGNUP





2.LOGIN AS USER

(USER 1- KABIR)

(USER 2- AYESHA)

```
Oracle is a registered trademark of Oracle Corporation and/or its
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> use login;
```

3. CHECKING COVID TESTS

```
Enter Username: kabir01
Enter Password: 123
Welcome back kabir01 !
**********************************
*       VACCINE MANAGEMENT       *
*       -----------------        *
*        1.Covid Test            *
*        2.Vaccine Allotment     *
*        3.Doctor Appointment    *
*        4.View Your Schedule    *
*        5.Logout                *
**********************************
Enter your choice: 1
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	0

```
Enter the option you want to use
Press E to exit:4
Slot Updated
--------------------------------------------------------------------------------
```

Ln: 162 Col: 0

```
Enter Username: ayesha05
Enter Password: 456
Welcome back ayesha05 !
**********************************
*       VACCINE MANAGEMENT       *
*       -----------------        *
*        1.Covid Test            *
*        2.Vaccine Allotment     *
*        3.Doctor Appointment    *
*        4.View Your Schedule    *
*        5.Logout                *
**********************************
Enter your choice: 1
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	0

```
Enter the option you want to use
Press E to exit:2
Slot Updated
--------------------------------------------------------------------------------
```

Ln: 165 Col: 4

```
mysql> select * from covid;
+-----+-----------+-------------+-----------+---------+----------+-------+
| SNO | Test_Name | Centre_Name | Location  | Days    | Time     | Price |
+-----+-----------+-------------+-----------+---------+----------+-------+
|   1 | Rapid     | centre A    | Rohini    | MON-FRI | 08-12 PM |  1000 |
|   2 | RT-PCR    | centre A    | Rohini    | MON-FRI | 12-04 PM |  1500 |
|   3 | Rapid     | centre B    | Pitampura | MON-SUN | 08-10 AM |   800 |
|   4 | RT-PCR    | centre B    | Pitampura | MON-SUN | 10-12 PM |  1200 |
|   5 | Rapid     | centre C    | Mayapuri  | SAT-SUN | 08-06 PM |     0 |
|   6 | RT-PCR    | centre C    | Mayapuri  | SAT-SUN | 08-06 PM |     0 |
+-----+-----------+-------------+-----------+---------+----------+-------+
6 rows in set (0.01 sec)
```

4. VACCINE ALLOTMENT

```
**********************************
*       VACCINE MANAGEMENT       *
*       ------------------       *
*        1.Covid Test            *
*        2.Vaccine Allotment     *
*        3.Doctor Appointment    *
*        4.View Your Schedule    *
*        5.Logout                *
**********************************
Enter your choice: 2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	0
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Enter the option you want to use
Press E to exit:3
Slot Updated
```

```
Ln: 162   Col: 0
```

```
**********************************
*       VACCINE MANAGEMENT       *
*       ------------------       *
*        1.Covid Test            *
*        2.Vaccine Allotment     *
*        3.Doctor Appointment    *
*        4.View Your Schedule    *
*        5.Logout                *
**********************************
Enter your choice: 2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	0
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Enter the option you want to use
Press E to exit:6
Slot Updated
```

```
Ln: 165   Col: 4
```

```
mysql> select * from vaccine;
+-----+-----------------------+------------+----------+--------------------+-------------+-------+
| SNO | Vaccine_Name          | Centre_Name | Location | Date_of_availablity | Time_of_slot | Price |
+-----+-----------------------+------------+----------+--------------------+-------------+-------+
|   1 | Vaccine Alpha (dose 1) | centre A   | Rohini   | 2022-03-12         | 10-11 AM    |  1200 |
|   2 | Vaccine Alpha (dose 2) | centre B   | Pitampura | 2022-03-20        | 9-10 AM     |  1000 |
|   3 | Vaccine Delta (dose 1) | centre A   | Rohini   | 2022-03-15         | 12-02 PM    |  1400 |
|   4 | Vaccine Delta (dose 1) | centre C   | Mayapuri | 2022-03-21         | 11-01 PM    |     0 |
|   5 | Vaccine Alpha (dose 2) | centre C   | Mayapuri | 2022-03-13         | 12-01 PM    |     0 |
|   6 | Vaccine Delta (dose 2) | centre B   | Pitampura | 2022-03-18        | 9-11 AM     |  1500 |
+-----+-----------------------+------------+----------+--------------------+-------------+-------+
6 rows in set (0.01 sec)

mysql>
```

5.DOCTOR APPOINTMENT

```
*IDLE Shell 3.9.1*
File  Edit  Shell  Debug  Options  Window  Help
************************************
*       VACCINE MANAGEMENT         *
*       ------------------         *
*        1.Covid Test              *
*        2.Vaccine Allotment       *
*        3.Doctor Appointment      *
*        4.View Your Schedule      *
*        5.Logout                  *
************************************
Enter your choice: 3
```

SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9912346509	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

```
Enter the option you want to use
Press E to exit: 5
Slot Updated
```

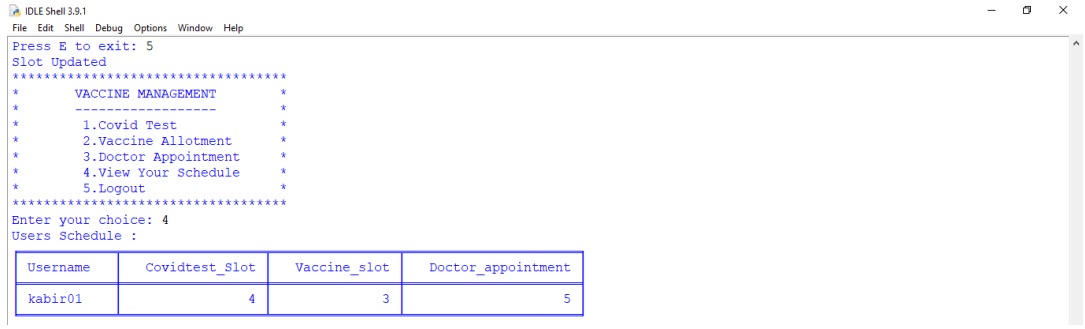
```
IDLE Shell 3.9.1
File  Edit  Shell  Debug  Options  Window  Help
************************************
*       VACCINE MANAGEMENT         *
*       ------------------         *
*        1.Covid Test              *
*        2.Vaccine Allotment       *
*        3.Doctor Appointment      *
*        4.View Your Schedule      *
*        5.Logout                  *
************************************
Enter your choice: 3
```

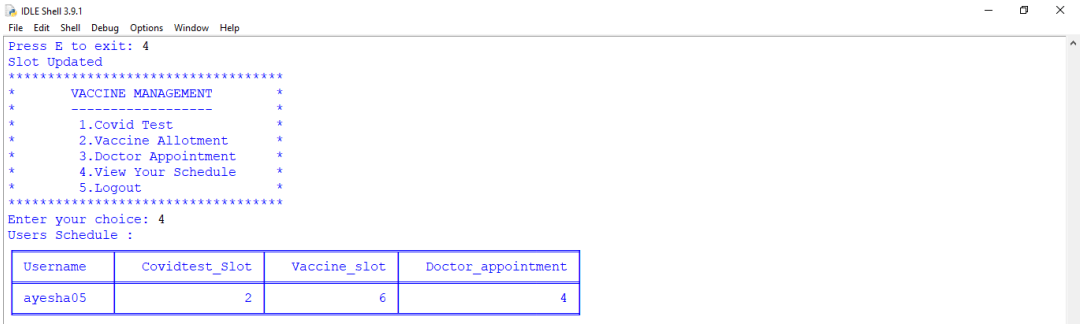
SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9912346509	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

```
Enter the option you want to use
Press E to exit: 4
Slot Updated
```

```
mysql> select * from doctor;
+-----+-------------------+----------------+----------------+----------------+-----------------------+
| SNO | Doctors_Name      | Clinic_Name    | Location       | Contact_Number | Email_id              |
+-----+-------------------+----------------+----------------+----------------+-----------------------+
|   1 | Dr. Arun Kumar    | Arun Clinic    | Model Town     | 9912346509     | arunkumar@gmail.com   |
|   2 | Dr. Ankita Sharma | Ankita Clinic  | Rohini         | 8910304678     | asharma@hotmail.com   |
|   3 | Dr. Vijay Devgun  | Vijay Clinic   | Dwarka         | 7679980534     | vijay@gmail.com       |
|   4 | Dr. Rajiv Bhatia  | Rajiv Clinic   | Saket          | 9099902005     | rajivbhatia@yahoo.com |
|   5 | Dr. Gayatri Verma | Gayatri Clinic | Pitampura      | 8907604321     | g.verma@gmail.com     |
|   6 | Dr. Vikas Gupta   | Vikas Clinic   | Rajouri Garden | 8899685417     | vikasgupta1@gmail.com |
+-----+-------------------+----------------+----------------+----------------+-----------------------+
6 rows in set (0.01 sec)

mysql> select * from slots;
Empty set (0.07 sec)
```

6.VIEW SCHEDULE






```
mysql> select * from accounts;
+----------+--------+------------+------------+--------+----------+
| Username | Name   | Number     | DOB        | Gender | Password |
+----------+--------+------------+------------+--------+----------+
| ayesha05 | ayesha | 9872346756 | 2000-06-08 | F      | 456      |
| kabir01  | kabir  | 9876586789 | 1999-03-04 | M      | 123      |
+----------+--------+------------+------------+--------+----------+
2 rows in set (0.04 sec)
```

7.LOGOUT

(USER 1 -KABIR)

(USER 2-AYESHA)

```
***********************************
*       VACCINE MANAGEMENT        *
*       ------------------        *
*        1.Covid Test             *
*        2.Vaccine Allotment      *
*        3.Doctor Appointment     *
*        4.View Your Schedule     *
*        5.Logout                 *
***********************************
Enter your choice: 5
Enter (1) to Signup
Enter (2) to Login
Enter (3) to Exit:
3
>>> |
```

Ln: 397 Col: 4

8.LOGIN AS ADMIN

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
============= RESTART: C:\Users\dgnc\Downloads\Main Program (2).py =============
Enter Your MySQL password : ansh08062004
Connection successful

                                        ________________________________________________
                                       |                                                |
                                       |          *       * *       *  ******           |
                                       |           *     *  **     ** *                 |
                                       |            *   *   * *   * *  ******           |
                                       |             * *    *  * *  *        *          |
                                       |              *     *   *   *  ******           |
                                       |           (Vaccine Management System)          |
                                       |________________________________________________|
Enter (1) to Signup
Enter (2) to Login
Enter (3) to Exit:
2


1-> To Login as User
2-> To Login as Admin:
2
Enter Your unique Admin Code: 200005
Hello Ansh Sharma
```

```
mysql> use project;
Database changed
mysql> show tables;
+------------------+
| Tables_in_project |
+------------------+
| accounts          |
| admacc            |
| covid             |
| doctor            |
| slots             |
| vaccine           |
+------------------+
6 rows in set (0.16 sec)

mysql> select * from accounts;
+----------+--------+------------+------------+--------+----------+
| Username | Name   | Number     | DOB        | Gender | Password |
+----------+--------+------------+------------+--------+----------+
| ayesha05 | ayesha | 9872346756 | 2000-06-08 | F      | 456      |
| kabir01  | kabir  | 9876586789 | 1999-03-04 | M      | 123      |
+----------+--------+------------+------------+--------+----------+
2 rows in set (0.04 sec)

mysql> select * from admacc;
+------------+-----------------+
| Admin_Code | Name            |
+------------+-----------------+
| 100007     | Siddharth Gaur  |
| 200005     | Ansh Sharma     |
| 248540     | Shalini Verma   |
| 847240     | Sakshi Mam      |
| 980290     |                 |
+------------+-----------------+
5 rows in set (0.01 sec)
```

9. CHECK COVID TESTS

```
IDLE Shell 3.9.1
File  Edit  Shell  Debug  Options  Window  Help
**********************************
*         VACCINE MANAGEMENT     *
*         ------------------     *
*          1.View Data           *
*          2.Update Data         *
*          3.Delete Data         *
*          4.Add Data            *
*          5.Logout              *
**********************************
Enter your choice: 1
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
Enter your choice: 1
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	0

```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
```

```
MySQL 5.7 Command Line Client
mysql> select * from covid;
+-----+-----------+-------------+-----------+---------+----------+-------+
| SNO | Test_Name | Centre_Name | Location  | Days    | Time     | Price |
+-----+-----------+-------------+-----------+---------+----------+-------+
|   1 | Rapid     | centre A    | Rohini    | MON-FRI | 08-12 PM |  1000 |
|   2 | RT-PCR    | centre A    | Rohini    | MON-FRI | 12-04 PM |  1500 |
|   3 | Rapid     | centre B    | Pitampura | MON-SUN | 08-10 AM |   800 |
|   4 | RT-PCR    | centre B    | Pitampura | MON-SUN | 10-12 PM |  1200 |
|   5 | Rapid     | centre C    | Mayapuri  | SAT-SUN | 08-06 PM |     0 |
|   6 | RT-PCR    | centre D    | Saket     | MON-SUN | 08-06 PM |  1400 |
+-----+-----------+-------------+-----------+---------+----------+-------+
6 rows in set (0.01 sec)
```

10. CHECK VACCINE ALLOTMENT

```
IDLE Shell 3.9.1
File  Edit  Shell  Debug  Options  Window  Help
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
Enter your choice: 2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	0
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
```

```
mysql> select * from vaccine;
+-----+------------------------+-------------+-----------+---------------------+--------------+-------+
| SNO | Vaccine_Name           | Centre_Name | Location  | Date_of_availablity | Time_of_slot | Price |
+-----+------------------------+-------------+-----------+---------------------+--------------+-------+
|   1 | Vaccine Alpha (dose 1) | centre A    | Rohini    | 2022-03-12          | 10-11 AM     |  1200 |
|   2 | Vaccine Alpha (dose 2) | centre B    | Pitampura | 2022-03-20          | 9-10 AM      |  1000 |
|   3 | Vaccine Delta (dose 1) | centre A    | Rohini    | 2022-03-15          | 12-02 PM     |  1400 |
|   4 | Vaccine Delta (dose 1) | centre C    | Mayapuri  | 2022-03-21          | 11-01 PM     |   800 |
|   5 | Vaccine Gama (dose 1)  | centre D    | Saket     | 2022-03-16          | 8-10 AM      |  2000 |
|   6 | Vaccine Delta (dose 2) | centre B    | Pitampura | 2022-03-18          | 9-11 AM      |  1500 |
+-----+------------------------+-------------+-----------+---------------------+--------------+-------+
6 rows in set (0.01 sec)
```

11. CHECK DOCTOR APPOINTMENTS

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

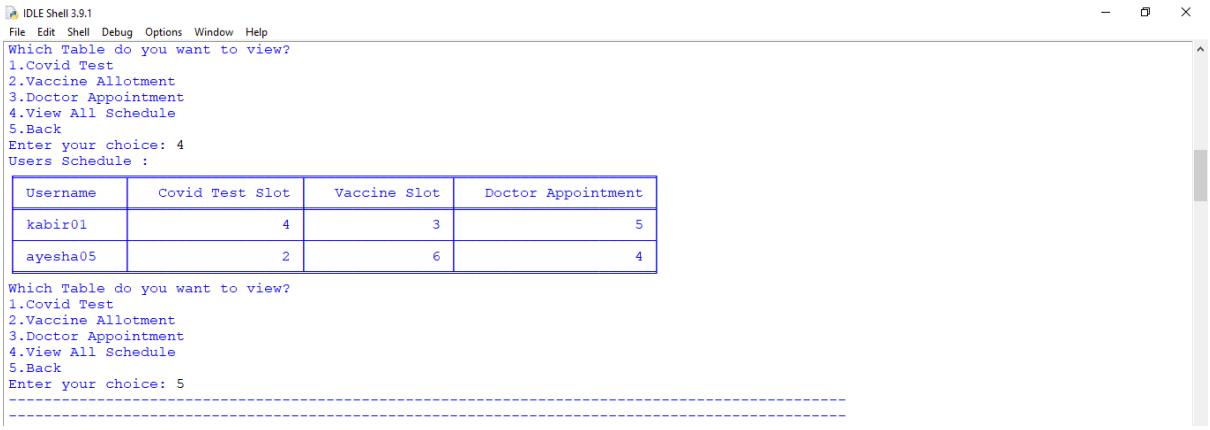
```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
Enter your choice: 3
```

SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9912346509	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
```

```
mysql> select * from doctor;
+-----+-------------------+---------------+---------------+----------------+----------------------+
| SNO | Doctors_Name      | Clinic_Name   | Location      | Contact_Number | Email_id             |
+-----+-------------------+---------------+---------------+----------------+----------------------+
|   1 | Dr. Arun Kumar    | Arun Clinic   | Model Town    | 9898986750     | arunkumar@gmail.com  |
|   2 | Dr. Ankita Sharma | Ankita Clinic | Rohini        | 8910304678     | asharma@hotmail.com  |
|   3 | Dr. Vijay Devgun  | Vijay Clinic  | Dwarka        | 7679980534     | vijay@gmail.com      |
|   4 | Dr. Rajiv Bhatia  | Rajiv Clinic  | Saket         | 9099902005     | rajivbhatia@yahoo.com |
|   5 | Dr. Gayatri Verma | Gayatri Clinic | Pitampura    | 8907604321     | g.verma@gmail.com    |
|   6 | Dr. J.K. Ahuja    | Ahuja Clinic  | Rajouri Garden | 7678545098     | jk.ahuja@gmail.com   |
+-----+-------------------+---------------+---------------+----------------+----------------------+
6 rows in set (0.01 sec)
```

12.VIEW DATA



IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
Enter your choice: 4
Users Schedule :
```

Username	Covid Test Slot	Vaccine Slot	Doctor Appointment
kabir01	4	3	5
ayesha05	2	6	4

```
Which Table do you want to view?
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.View All Schedule
5.Back
Enter your choice: 5
```

13.UPDATE DATA

(COVID TESTS)

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
**********************************
*         VACCINE MANAGEMENT     *
*         ------------------     *
*          1.View Data           *
*          2.Update Data         *
*          3.Delete Data         *
*          4.Add Data            *
*          5.Logout              *
**********************************
Enter your choice: 2
In which table you want to update values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your choice: 1
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	0

```
Which SNO's Price do you want to update?
Enter the SNO value: 6
Enter the price value: 500
Information updated successfully.
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	500

```
--------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------
```

(VACCINE ALLOTMENTS)

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to update values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your choice: 2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	0
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Which SNO's Price do you want to update?
Enter the SNO value: 4
Enter the price value: 800
Information updated successfully.
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	800
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

(DOCTOR APPOINTMENTS)

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to update values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your choice: 3
```

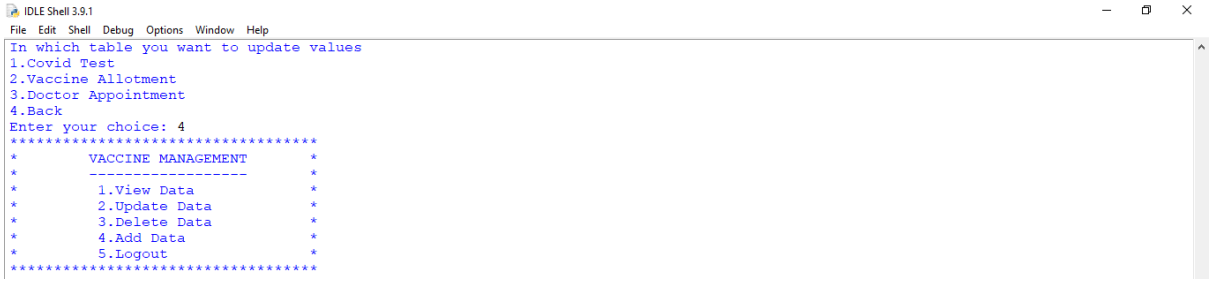
SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9912346509	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

```
Enter the SNO whose number you want to update? 1
Enter the Contact Number: 9898986750
Information updated successfully.
```

SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9898986750	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

Ln: 626 Col: 4

(BACK)



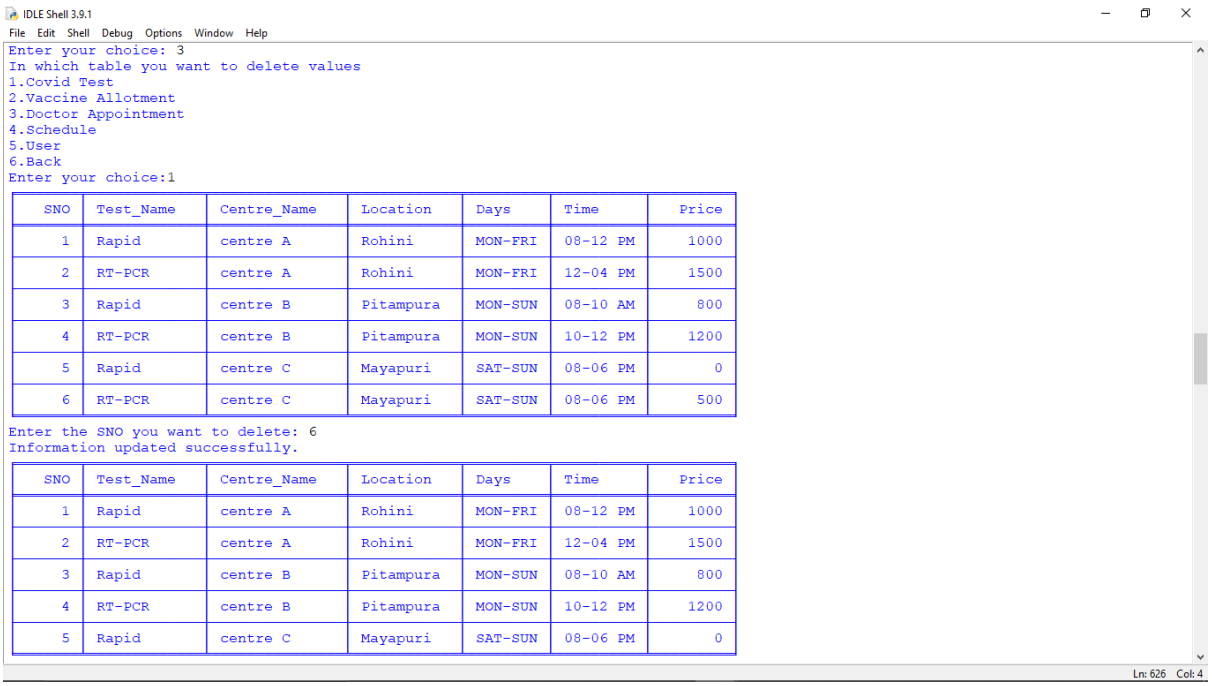
IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to update values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your choice: 4
**********************************
*         VACCINE MANAGEMENT     *
*         ------------------     *
*          1.View Data           *
*          2.Update Data         *
*          3.Delete Data         *
*          4.Add Data            *
*          5.Logout              *
**********************************
```

14.DELETE DATA

(COVID TESTS)



IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
Enter your choice: 3
In which table you want to delete values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Schedule
5.User
6.Back
Enter your choice:1
```

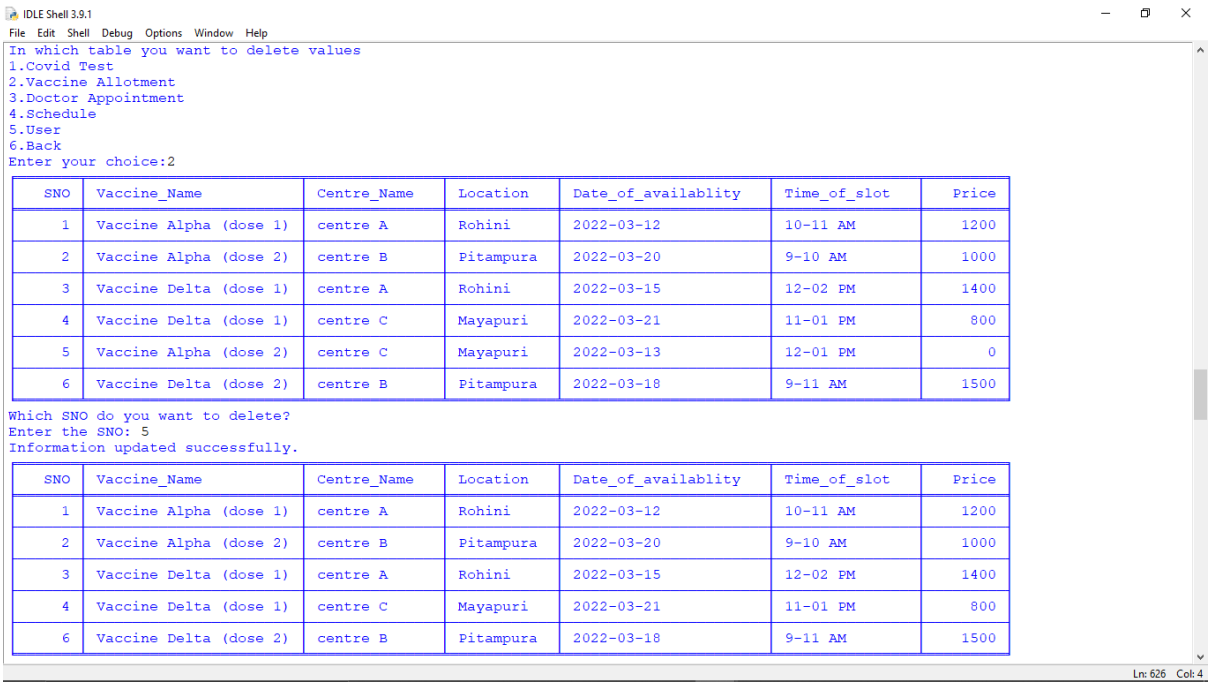
SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0
6	RT-PCR	centre C	Mayapuri	SAT-SUN	08-06 PM	500

```
Enter the SNO you want to delete: 6
Information updated successfully.
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0

Ln: 626 Col: 4

(VACCINE)



IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to delete values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Schedule
5.User
6.Back
Enter your choice:2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	800
5	Vaccine Alpha (dose 2)	centre C	Mayapuri	2022-03-13	12-01 PM	0
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Which SNO do you want to delete?
Enter the SNO: 5
Information updated successfully.
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	800
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

Ln: 626 Col: 4

(DOCTOR)

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to delete values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Schedule
5.User
6.Back
Enter your choice:3
```

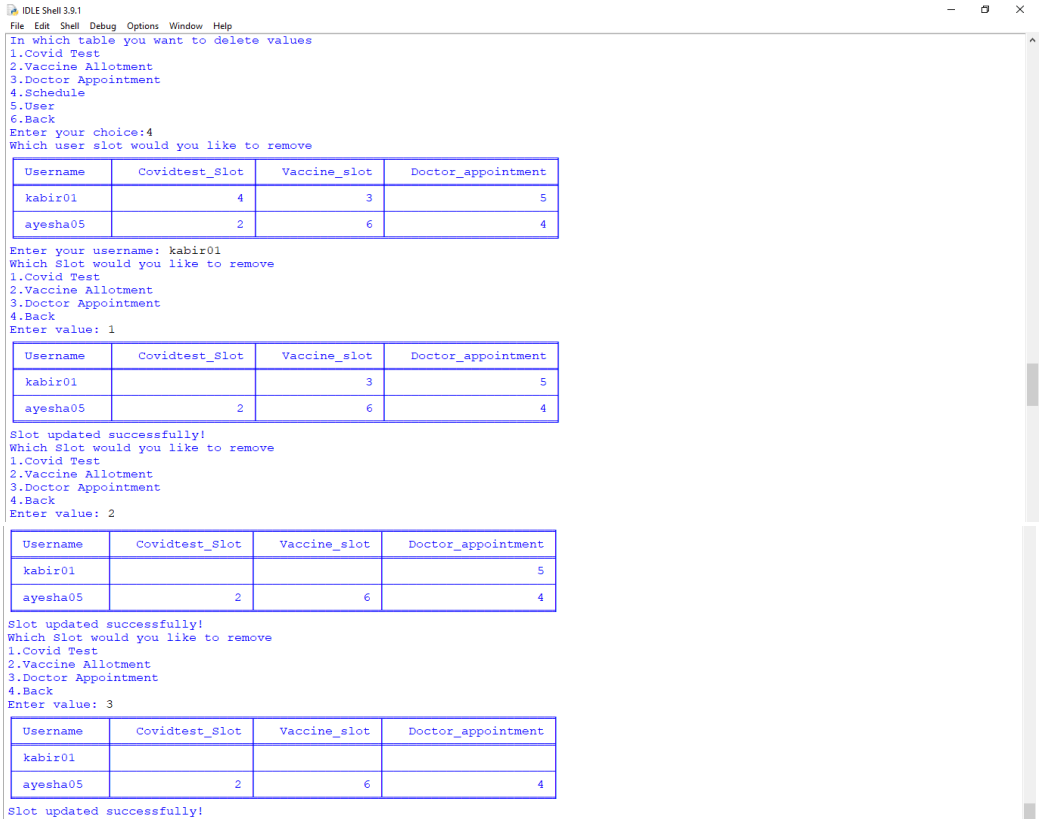
SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9898986750	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com
6	Dr. Vikas Gupta	Vikas Clinic	Rajouri Garden	8899685417	vikasgupta1@gmail.com

```
Which SNO do you want to delete?
Enter the SNo you want to delete: 6
Information updated successfully.
```

SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9898986750	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com

Ln: 626 Col: 4

(SCHEDULE)



IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to delete values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Schedule
5.User
6.Back
Enter your choice:4
Which user slot would you like to remove
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
kabir01	4	3	5
ayesha05	2	6	4

```
Enter your username: kabir01
Which Slot would you like to remove
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter value: 1
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
kabir01		3	5
ayesha05	2	6	4

```
Slot updated successfully!
Which Slot would you like to remove
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter value: 2
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
kabir01			5
ayesha05	2	6	4

```
Slot updated successfully!
Which Slot would you like to remove
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter value: 3
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
kabir01			
ayesha05	2	6	4

```
Slot updated successfully!
```

(USER)

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
In which table you want to delete values
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Schedule
5.User
6.Back
Enter your choice:5
Which user slot would you like to remove
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
kabir01			
ayesha05	2	6	4

```
Enter your username: kabir01
```

Username	Covidtest_Slot	Vaccine_slot	Doctor_appointment
ayesha05	2	6	4

```
User removed successfully!
```

```
mysql> select * from slots;
+----------+---------------+--------------+--------------------+
| Username | Covidtest_slot | Vaccine_slot | Doctor_appointment |
+----------+---------------+--------------+--------------------+
| ayesha05 |             2 |            6 |                  4 |
+----------+---------------+--------------+--------------------+
1 row in set (0.01 sec)
```

15.ADDING SLOTS

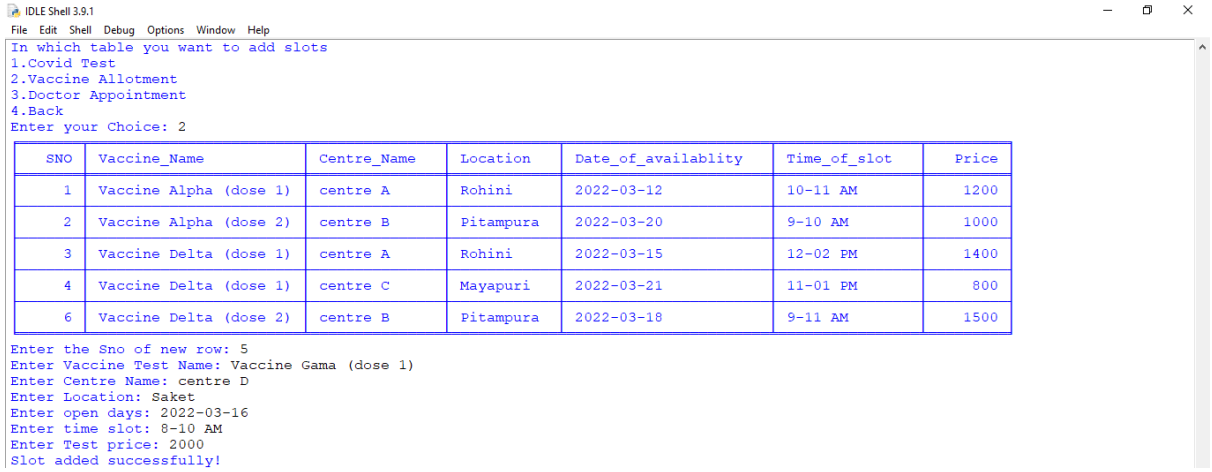
(COVID)

```
**********************************
*        VACCINE MANAGEMENT      *
*        ------------------      *
*         1.View Data            *
*         2.Update Data          *
*         3.Delete Data          *
*         4.Add Data             *
*         5.Logout               *
**********************************
Enter your choice: 4
In which table you want to add slots
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your Choice: 1
```

SNO	Test_Name	Centre_Name	Location	Days	Time	Price
1	Rapid	centre A	Rohini	MON-FRI	08-12 PM	1000
2	RT-PCR	centre A	Rohini	MON-FRI	12-04 PM	1500
3	Rapid	centre B	Pitampura	MON-SUN	08-10 AM	800
4	RT-PCR	centre B	Pitampura	MON-SUN	10-12 PM	1200
5	Rapid	centre C	Mayapuri	SAT-SUN	08-06 PM	0

```
Enter the Sno of new row: 6
Enter Covid Test Name: RT-PCR
Enter Centre Name: centre D
Enter Location: Saket
Enter open days: MON-SUN
Enter time slot: 08-06 PM
Enter Test price: 1400
Slot added successfully!
```

(VACCINE)



```
IDLE Shell 3.9.1
File  Edit  Shell  Debug  Options  Window  Help
In which table you want to add slots
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your Choice: 2
```

SNO	Vaccine_Name	Centre_Name	Location	Date_of_availablity	Time_of_slot	Price
1	Vaccine Alpha (dose 1)	centre A	Rohini	2022-03-12	10-11 AM	1200
2	Vaccine Alpha (dose 2)	centre B	Pitampura	2022-03-20	9-10 AM	1000
3	Vaccine Delta (dose 1)	centre A	Rohini	2022-03-15	12-02 PM	1400
4	Vaccine Delta (dose 1)	centre C	Mayapuri	2022-03-21	11-01 PM	800
6	Vaccine Delta (dose 2)	centre B	Pitampura	2022-03-18	9-11 AM	1500

```
Enter the Sno of new row: 5
Enter Vaccine Test Name: Vaccine Gama (dose 1)
Enter Centre Name: centre D
Enter Location: Saket
Enter open days: 2022-03-16
Enter time slot: 8-10 AM
Enter Test price: 2000
Slot added successfully!
```

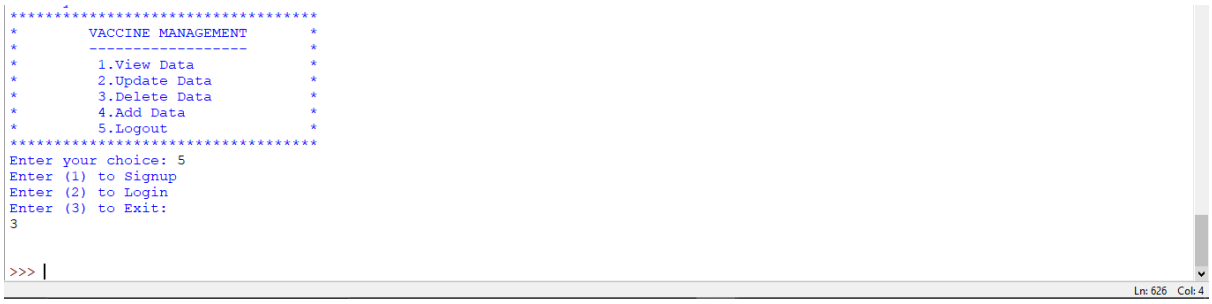
(DOCTOR)

```
IDLE Shell 3.9.1
File  Edit  Shell  Debug  Options  Window  Help
In which table you want to add slots
1.Covid Test
2.Vaccine Allotment
3.Doctor Appointment
4.Back
Enter your Choice: 3
```

SNO	Doctors_Name	Clinic_Name	Location	Contact_Number	Email_id
1	Dr. Arun Kumar	Arun Clinic	Model Town	9898986750	arunkumar@gmail.com
2	Dr. Ankita Sharma	Ankita Clinic	Rohini	8910304678	asharma@hotmail.com
3	Dr. Vijay Devgun	Vijay Clinic	Dwarka	7679980534	vijay@gmail.com
4	Dr. Rajiv Bhatia	Rajiv Clinic	Saket	9099902005	rajivbhatia@yahoo.com
5	Dr. Gayatri Verma	Gayatri Clinic	Pitampura	8907604321	g.verma@gmail.com

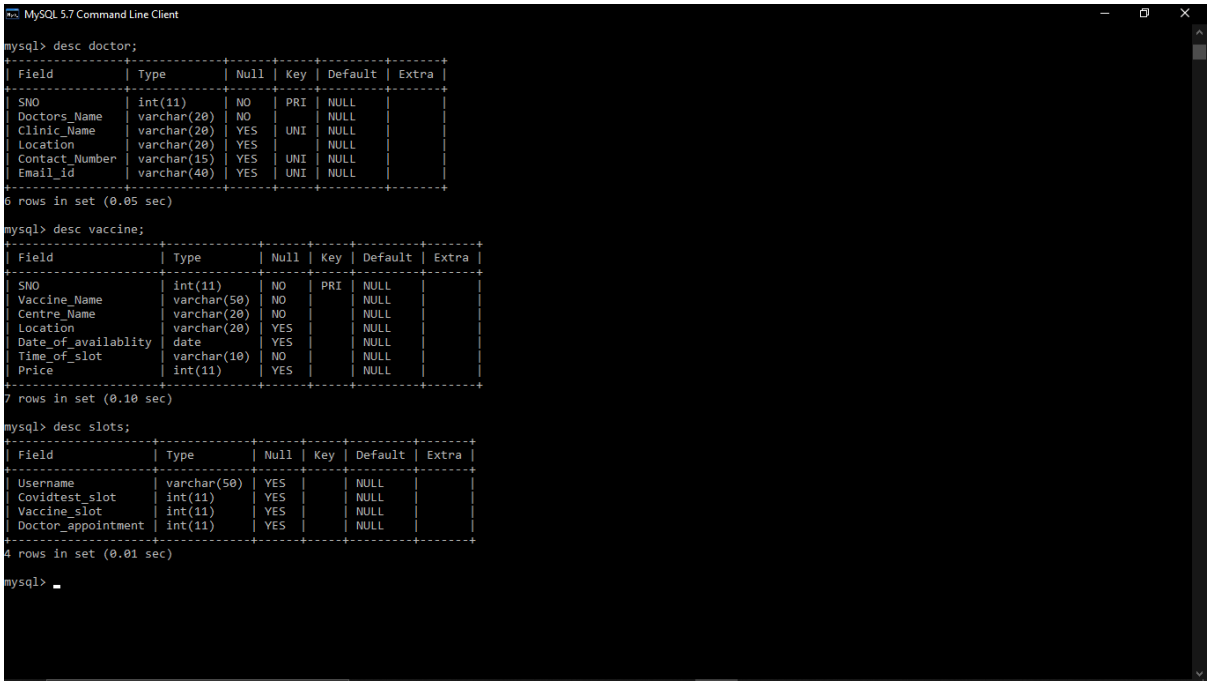
```
Enter the Sno of new row: 6
Enter Doctor Name: Dr. J.K. Ahuja
Enter Centre Name: Ahuja Clinic
Enter Location: Rajouri Garden
Enter contact number: 7678545098
Enter Email id: jk.ahuja@gmail.com
Slot added successfully!
In which table you want to add slots
```

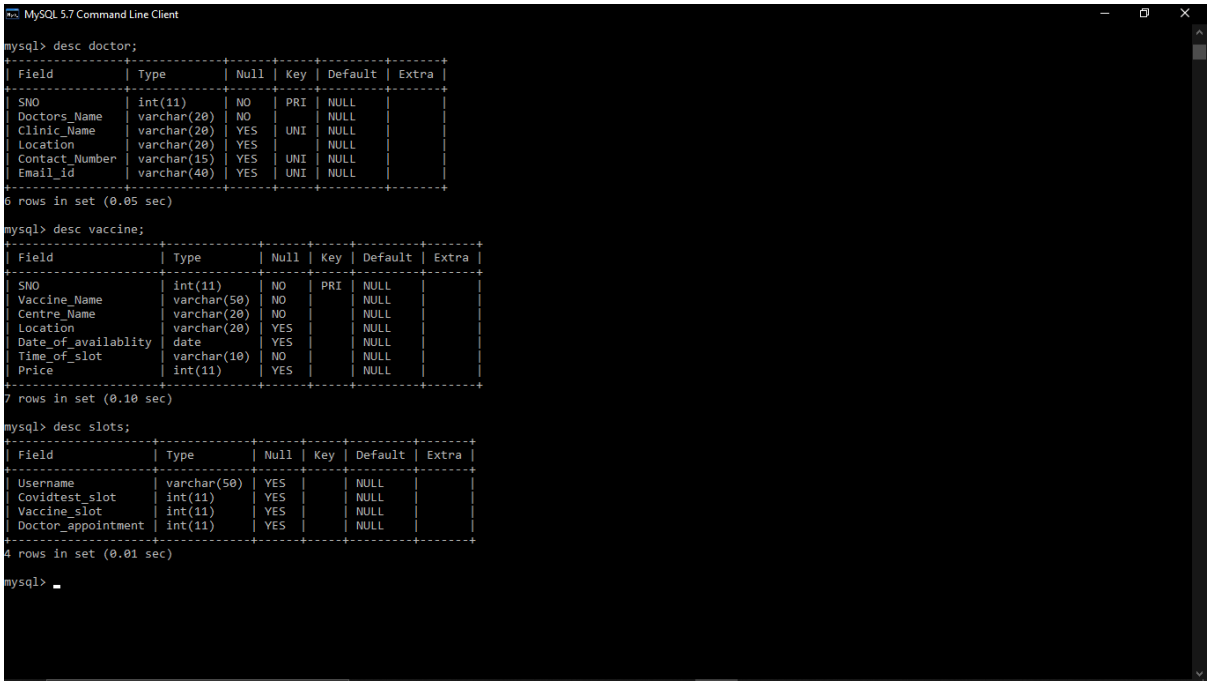
16.LOGOUT



```
**********************************
*        VACCINE MANAGEMENT      *
*        ------------------      *
*         1.View Data            *
*         2.Update Data          *
*         3.Delete Data          *
*         4.Add Data             *
*         5.Logout               *
**********************************
Enter your choice: 5
Enter (1) to Signup
Enter (2) to Login
Enter (3) to Exit:
3

>>>
```

17. Description of Tables





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