

PROJECT 1 [Covid Information database management]:

DONE by: A. V. Vaishnav Nishanth

FILE NO: 5

FILE NAME: admin_inputs.py

Code:

```
import mysql.connector
import main_page_inputs
import main_page_inputs

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

cursor=covid_db.cursor()

def admin_login():

    admin_id=input("Enter your ID: ")
    admin_password=input("Enter your Password: ")

    try:
        sql_login = "SELECT `Admin Password` FROM admin_database WHERE `Admin ID`"
        = %s"
        cursor.execute(sql_login, (admin_id,))
        result = cursor.fetchone()

        if result is not None and result [0] == admin_password :
            print("")
            print("Admin Login Successfull")
            print("")

        else:
            print("The Username / Password is invalid")
            print("")
            admin_login()

    except mysql.connector.Error as e:
        print(f"Error connecting to MySQL: {e}")
        print("")
```

```

        admin_login()

    finally:
        if 'cursor' in locals():
            cursor.close()
        if 'conn' in locals() and covid_db.is_connected():
            covid_db.close()

def view_login_data():

    sql_view_login_db="SELECT * FROM login_database;"
    cursor.execute(sql_view_login_db,)
    for data in cursor.fetchall():
        print(data)
    covid_db.commit()
    print("")

def view_medical_data():

    sql_view_medical_data="SELECT * FROM medical_database;"
    cursor.execute(sql_view_medical_data,)
    for data in cursor.fetchall():
        print(data)
    covid_db.commit()
    print("")

def email_sending():

    login_maidid=input("Enter the Login Mail ID: ")
    login_mailid_password=input("Enter the login Mail Password: ")
    reciever_mailid=input("Enter the Reciever Id: ")
    message = input("Enter the Message to be sent: ")

    import smtplib
    s = smtplib.SMTP('smtp.gmail.com', 587)
    s.starttls()
    s.login(login_maidid, login_mailid_password)
    s.sendmail(login_maidid, reciever_mailid , message)
    s.quit()
    print("")
    print("Email Sent Successfully!!")
    print("")

def insert_data():

```

```

s_no=int(input("Enter the S.no: "))
name=input("Enter Patient Name: ")
age=input("Enter Patient Age: ")
testtype=input("Enter the Test type: ")
testdate=input("Enter the Date of test: ")
doneby=input("Test Done by: ")
result=input("Test Result: ").upper()
amount=input("Enter the Amount paid: Rs.")

sql_insert="insert into medical_database (S_no,Name,Age,`Test Type`,`Test
Date`,`Test Done by`,`Test Result`,`Amount paid for Test`) values
(%s,%s,%s,%s,%s,%s,%s,%s)"
val=(s_no,name,age,testtype,testdate,doneby,result,amount)
cursor.execute(sql_insert,val)
covid_db.commit()

print("")
print("Data Inserted!!")
print("")

def update_data():

    reference_value=input("Enter the Name: ")
    change_data=input("Modified Data: ")

    sql_update_result="update medical_database set `Test Result` = %s where Name
= %s"
    val=(change_data,reference_value)
    cursor.execute(sql_update_result,val)
    covid_db.commit()
    print("")
    print("Updated!!")

def admin_actions():
    print("")
    print("[ View Medical Data | View Login Data | Send Email ]")
    print("")
    print("Input 1 --> View Medical Data")
    print("Input 2 --> View Login Data")
    print("Input 3 --> Update Data")
    print("Input 4 --> Send Email")
    print("Input 5 --> Log-Out")
    print("")
    access_option_2=int(input("Enter the input: "))

```

```

if access_option_2==1:
    print("")
    view_medical_data()
    print("")
    nextops()

elif access_option_2==2:
    print("")
    view_login_data()
    print("")
    nextops()

elif access_option_2==3:
    print("")
    update_data()
    print("")
    nextops()

elif access_option_2==4:
    print("")
    email_sending()
    print("")
    nextops()
elif access_option_2==5:
    print("Logged Out")
    main_page_inputs.mainpage()

else:
    print("Invalid inputs")
    print("")
    admin_actions()

def nextops():
    print("[ Continue | Logout ]")
    print("")
    print("Input 1 --> Continue")
    print("Input 2 --> Logout")

    option1=int(input("Enter your input: "))
    if option1==1:
        admin_actions()
    if option1==2:
        main_page_inputs.mainpage()
    else:
        nextops()

```

Screen shots:

```
1  import mysql.connector
2  import main_page_inputs
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4
5  covid_db=mysql.connector.connect(
6      host="localhost",
7      user="root",
8      password="12345",
9      database="covid_data"
10 )
11
12 cursor=covid_db.cursor()
13
14 def admin_login():
15
16     admin_id=input("Enter your ID: ")
17     admin_password=input("Enter your Password: ")
18
19     try:
20         sql_login = "SELECT `Admin Password` FROM admin_database WHERE `Admin ID` = %s"
21         cursor.execute(sql_login, (admin_id,))
22         result = cursor.fetchone()
23
24         if result is not None and result [0] == admin_password :
25             print("")
26             print("Admin Login Successfull")
27             print("")
28
29         else:
30             print("The Username / Password is invalid")
31             print("")
32             admin_login()
33
34     except mysql.connector.Error as e:
35         print(f"Error connecting to MySQL: {e}")
36         print("")
37         admin_login()
38
39     finally:
40
41 def insert_data():
42
43     s_no=int(input("Enter the S.no: "))
44     name=input("Enter Patient Name: ")
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46     testtype=input("Enter the Test type: ")
47     testdate=input("Enter the Date of test: ")
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49     result=input("Test Result: ").upper()
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52     sql_insert="insert into medical_database (S_no,Name,Age,`Test Type`,`Test Date`,`Test Done by`,`Test Result`,`Amount paid for Test`
53     val=(s_no,name,age,testtype,testdate,doneby,result,amount)
54     cursor.execute(sql_insert,val)
55     covid_db.commit()
56
57     print("")
58     print("Data Inserted!!")
59     print("")
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61 def update_data():
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63     reference_value=input("Enter the Name: ")
64     change_data=input("Modified Data: ")
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66     sql_update_result="update medical_database set `Test Result` = %s where Name = %s"
67     val=(change_data,reference_value)
68     cursor.execute(sql_update_result,val)
69     covid_db.commit()
70     print("")
71     print("Updated!!")
```

```

finally:
    if 'cursor' in locals():
        cursor.close()
    if 'conn' in locals() and covid_db.is_connected():
        covid_db.close()

def view_login_data():

    sql_view_login_db="SELECT * FROM login_database;"
    cursor.execute(sql_view_login_db,)
    for data in cursor.fetchall():
        print(data)
    covid_db.commit()
    print("")

def view_medical_data():

    sql_view_medical_data="SELECT * FROM medical_database;"
    cursor.execute(sql_view_medical_data,)
    for data in cursor.fetchall():
        print(data)
    covid_db.commit()
    print("")

def email_sending():

    login_maidid=input("Enter the Login Mail ID: ")
    login_mailid_password=input("Enter the login Mail Password: ")
    reciever_mailid=input("Enter the Reciever Id: ")
    message = input("Enter the Message to be sent: ")

    import smtplib
    s = smtplib.SMTP('smtp.gmail.com', 587)
    s.starttls()
    s.login(login_maidid, login_mailid_password)
    s.sendmail(login_maidid, reciever_mailid , message)
    s.quit()
    print("")
    print("Email Sent Successfully!!")

def admin_actions():
    print("")
    print("[ View Medical Data | View Login Data | Send Email ]")
    print("")
    print("Input 1 --> View Medical Data")
    print("Input 2 --> View Login Data")
    print("Input 3 --> Update Data")
    print("Input 4 --> Send Email")
    print("Input 5 --> Log-Out")
    print("")

    access_option_2=int(input("Enter the input: "))

    if access_option_2==1:
        print("")
        view_medical_data()
        print("")
        nextops()

    elif access_option_2==2:
        print("")
        view_login_data()
        print("")
        nextops()

    elif access_option_2==3:
        print("")
        update_data()
        print("")
        nextops()

    elif access_option_2==4:
        print("")
        email_sending()
        print("")
        nextops()

    elif access_option_2==5:
        print("Logged Out")
        main_page_inputs.mainpage()

```

```
else:
    print("Invalid inputs")
    print("")
    admin_actions()
```

```
def nextops():
```

```
    print("[ Continue | Logout ]")
    print("")
    print("Input 1 --> Continue")
    print("Input 2 --> Logout")

    option1=int(input("Enter your input: "))
    if option1==1:
        admin_actions()
    if option1==2:
        main_page_inputs.mainpage()
    else:
        nextops()
```