

PROJECT 1 [Covid Information database management]:

DONE By: A. V. Vaishnav Nishanth

FILE NO: 3

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():

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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("")

```

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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:

```
admin_inputs.py > ...
1  import mysql.connector
2  import main_page_inputs
3  import main_page_inputs
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             if 'cursor' in locals():
41                 cursor.close()
42             if 'conn' in locals() and covid_db.is_connected():
43                 covid_db.close()
44
45     def view_login_data():
46
47         sql_view_login_db="SELECT * FROM login_database;"
48         cursor.execute(sql_view_login_db,)
49         for data in cursor.fetchall():
50             print(data)
51         covid_db.commit()
52         print("")
53
54     def view_medical_data():
55
56         sql_view_medical_data="SELECT * FROM medical_database;"
57         cursor.execute(sql_view_medical_data,)
58         for data in cursor.fetchall():
59             print(data)
60         covid_db.commit()
61         print("")
62
63     def email_sending():
64
65         login_mailid=input("Enter the Login Mail ID: ")
66         login_mailid_password=input("Enter the login Mail Password: ")
67         reciever_mailid=input("Enter the Reciever Id: ")
68         message = input("Enter the Message to be sent: ")
69
70         import smtplib
71         s = smtplib.SMTP('smtp.gmail.com', 587)
72         s.starttls()
73         s.login(login_mailid, login_mailid_password)
74         s.sendmail(login_mailid, reciever_mailid , message)
75         s.quit()
76         print("")
77         print("Email Sent Successfully!!")

```

```

79
80     def insert_data():
81
82         s_no=int(input("Enter the S.no: "))
83         name=input("Enter Patient Name: ")
84         age=input("Enter Patient Age: ")
85         testtype=input("Enter the Test type: ")
86         testdate=input("Enter the Date of test: ")
87         doneby=input("Test Done by: ")
88         result=input("Test Result: ").upper()
89         amount=input("Enter the Amount paid: Rs.")
90
91         sql_insert="insert into medical_database (S_no,Name,Age,`Test Type`,`Test Date`,`Test Done by`,`Test Result`,`Amount paid for Test`)"
92         val=(s_no,name,age,testtype,testdate,doneby,result,amount)
93         cursor.execute(sql_insert,val)
94         covid_db.commit()
95
96         print("")
97         print("Data Inserted!!")
98         print("")
99
100     def update_data():
101
102         reference_value=input("Enter the Name: ")
103         change_data=input("Modified Data: ")
104
105         sql_update_result="update medical_database set `Test Result` = %s where Name = %s"
106         val=(change_data,reference_value)
107         cursor.execute(sql_update_result,val)
108         covid_db.commit()
109         print("")
110         print("Updated!!")

```

```

112 def admin_actions():
113     print("")
114     print("[ View Medical Data | View Login Data | Send Email ]")
115     print("")
116     print("Input 1 --> View Medical Data")
117     print("Input 2 --> View Login Data")
118     print("Input 3 --> Update Data")
119     print("Input 4 --> Send Email")
120     print("Input 5 --> Log-Out")
121     print("")
122
123     access_option_2=int(input("Enter the input: "))
124
125     if access_option_2==1:
126         print("")
127         view_medical_data()
128         print("")
129         nextops()
130
131     elif access_option_2==2:
132         print("")
133         view_login_data()
134         print("")
135         nextops()
136
137     elif access_option_2==3:
138         print("")
139         update_data()
140         print("")
141         nextops()
142

```

```

143     elif access_option_2==4:
144         print("")
145         email_sending()
146         print("")
147         nextops()
148     elif access_option_2==5:
149         print("Logged Out")
150         main_page_inputs.mainpage()
151
152     else:
153         print("Invalid inputs")
154         print("")
155         admin_actions()
156
157 def nextops():
158
159     print("[ Continue | Logout ]")
160     print("")
161     print("Input 1 --> Continue")
162     print("Input 2 --> Logout")
163
164     option1=int(input("Enter your input: "))
165
166     if option1==1:
167         admin_actions()
168     if option1==2:
169         main_page_inputs.mainpage()
170     else:
171         nextops()

```