

Creating a DataBase

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="root"
)

dbse = mydb.cursor()

dbse.execute("CREATE DATABASE hospitaldb")
```

Display DataBase

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="root"
)

mycursor = mydb.cursor()

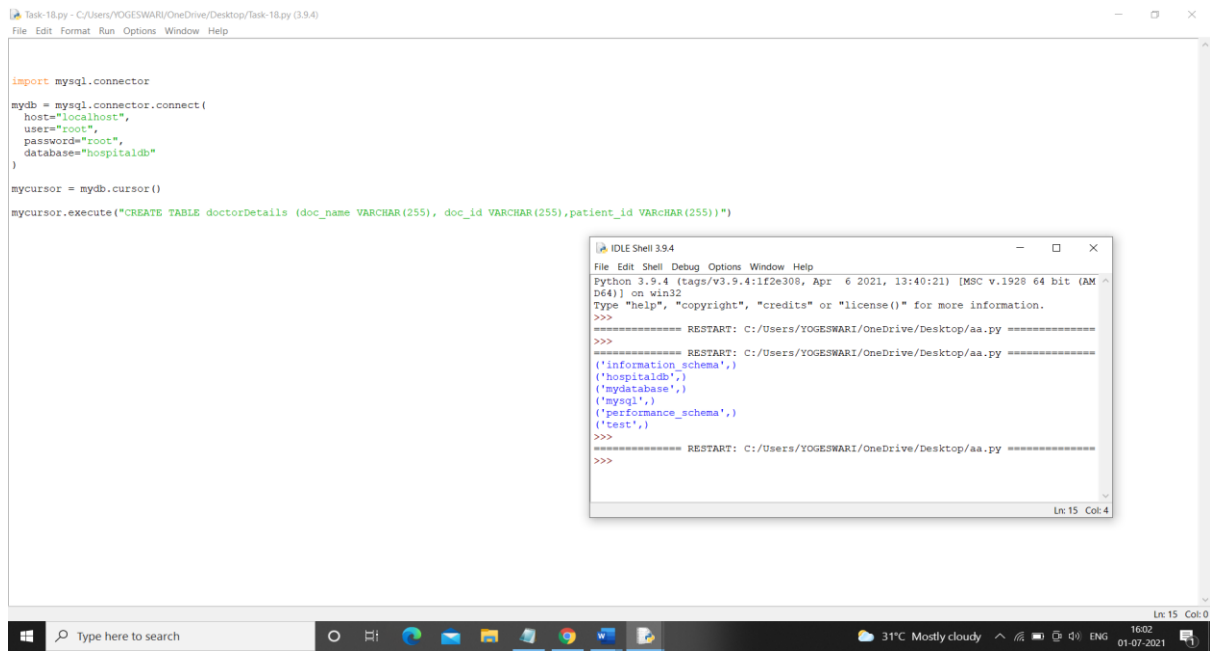
mycursor.execute("SHOW DATABASES")

for x in mycursor:

    print(x)
```

```
('information_schema',)
('hospitaldb',)
('mydatabase',)
('mysql',)
('performance_schema',)
('test',)
>>> |
```

Create a Table (doctorDetails)



1) Create a DB with doctor and doctor ID & patients visited

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="root",
    database="hospitaldb"
)

mycursor = mydb.cursor()

sql = "INSERT INTO doctorDetails (doc_name,doc_id,patient_id) VALUES (%s, %s,%s )"

val = [
    ('John', '101', '10')
```

```
('Amy', '102', '7')
('Hannah', '103', '0')
('Michael', '104', '4')
('Sandy', '105', '3')
('Betty', '106', '2')
('Richard', '107', '9')
('Susan', '108', '7')
('Vicky', '109', '0')
('Ben', '110', '0')
```

```
]
```

```
mycursor.execute(sql, val)
```

```
mydb.commit()
```

```
print(mycursor.rowcount, " inserted.")
```

```
import mysql.connector
```

```
mydb = mysql.connector.connect(
```

```
    host="localhost",
```

```
    user="root",
```

```
    password="root",
```

```
    database="hospitaldb"
```

```

)

mycursor = mydb.cursor()

mycursor.execute("SELECT * FROM doctorDetails")

myresult = mycursor.fetchall()

for x in myresult:

    print(x)

```

```

>>>
===== RESTART: C:/Users/YOGESWARI/OneDrive/Desktop/Task-18.py =====
('John', '101', '10')
('Amy', '102', '7')
('Hannah', '103', '0')
('Michael', '104', '4')
('Sandy', '105', '3')
('Betty', '106', '2')
('Richard', '107', '9')
('Susan', '108', '7')
('Vicky', '109', '0')
('Ben', '110', '0')
>>>

```

Ln: 239 Col: 1

2) Get the doctor(s) who have more than 5 patients visited

```

import mysql.connector

mydb = mysql.connector.connect(

    host="localhost",

    user="root",

    password="root",

    database="hospitaldb"

)

mycursor = mydb.cursor()

sql = "SELECT * FROM doctorDetails WHERE patient_id >=5"

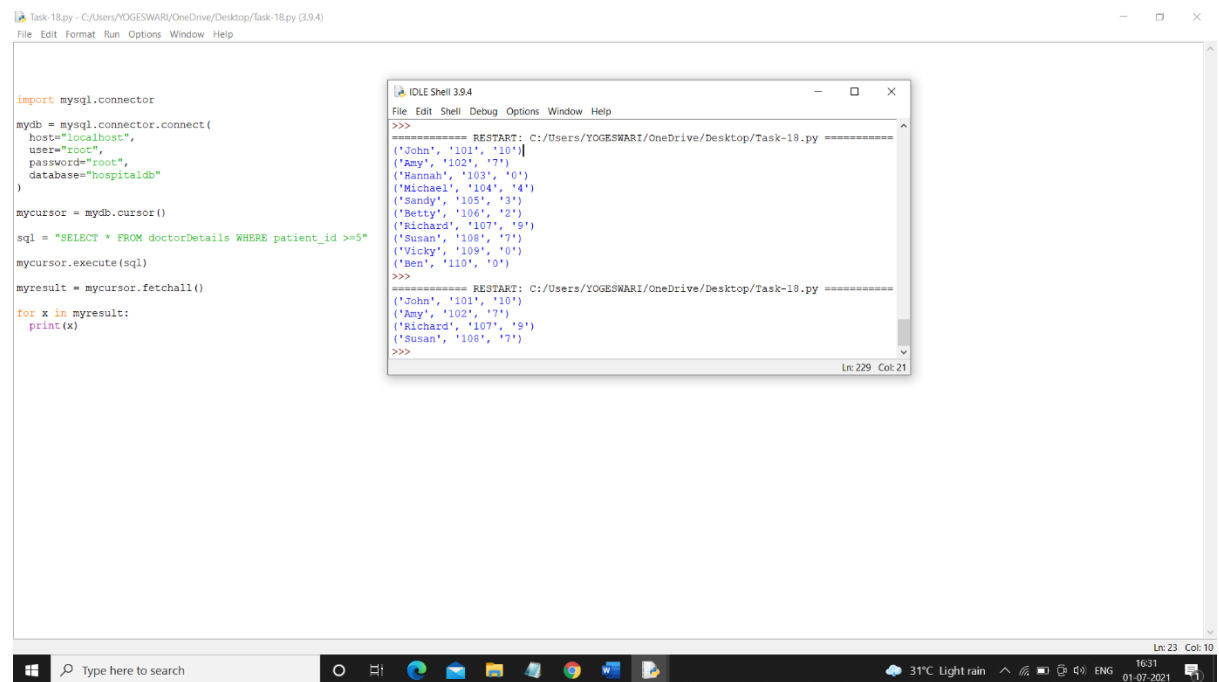
```

```
mycursor.execute(sql)
```

```
myresult = mycursor.fetchall()
```

```
for x in myresult:
```

```
    print(x)
```



3) Get the doctors with no patients visit

```
import mysql.connector
```

```
mydb = mysql.connector.connect(
```

```
    host="localhost",
```

```
    user="root",
```

```
    password="root",
```

```
    database="hospitaldb"
```

)

mycursor = mydb.cursor()

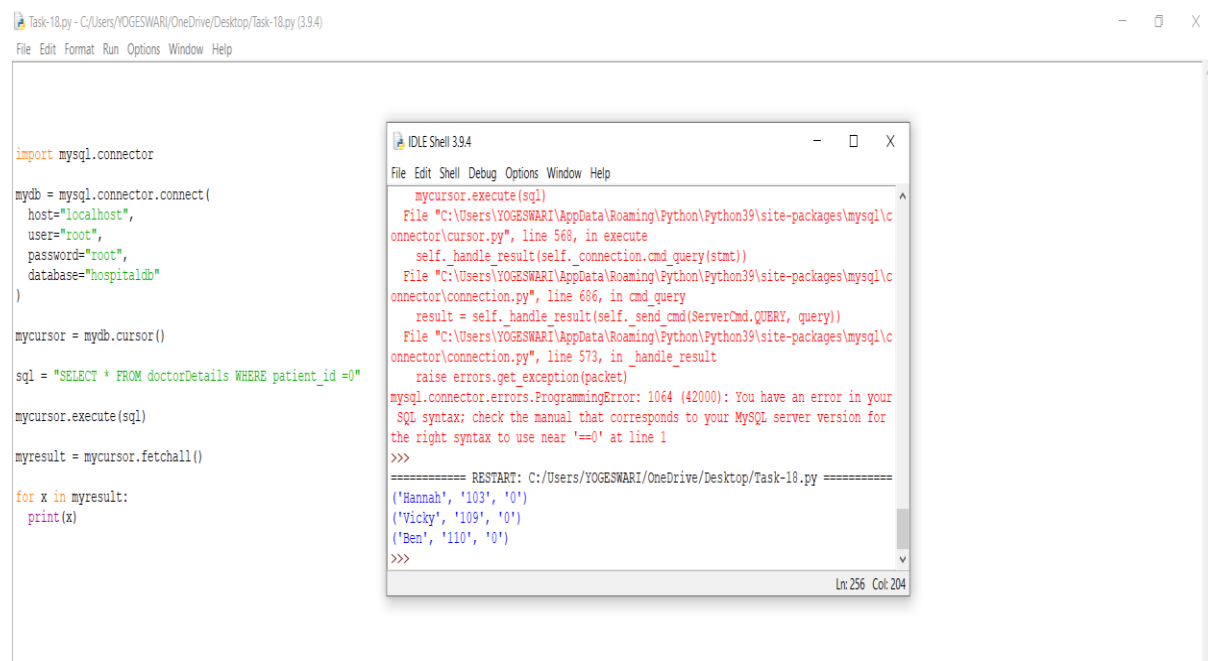
sql = "SELECT * FROM doctorDetails WHERE patient_id =0"

mycursor.execute(sql)

myresult = mycursor.fetchall()

for x in myresult:

print(x)



The screenshot shows a Python IDE window titled 'Task-18.py - C:/Users/YOGESWARI/OneDrive/Desktop/Task-18.py (3.9.4)'. The code in the editor is as follows:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="root",
    database="hospitaldb"
)

mycursor = mydb.cursor()

sql = "SELECT * FROM doctorDetails WHERE patient_id =0"

mycursor.execute(sql)

myresult = mycursor.fetchall()

for x in myresult:
    print(x)
```

Overlaid on the IDE is a 'IDLE Shell 3.9.4' window showing the execution output. It displays a traceback for a 'ProgrammingError: 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '==0' at line 1'. Below the error message, it shows the restart of the script and the output of the query:

```
>>>
===== RESTART: C:/Users/YOGESWARI/OneDrive/Desktop/Task-18.py =====
('Hannah', '103', '0')
('Wicky', '109', '0')
('Ben', '110', '0')
>>>
```

The status bar at the bottom of the shell window indicates 'Ln: 256 Col: 204'.