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LL data analyzer

Database engineering

import mysql.connector

from mysql.connector import Error, MySQLConnection

# Connect to the database

try:

conn = mysql.connector.connect(

host='localhost',

database='little\_lemon',

user='your\_username',

password='your\_password'

)

if conn.is\_connected():

print('Connected to MySQL database')

except Error as e:

print(e)

# Create a procedure to react to changes in the data

def handle\_data\_change(event):

print('Data changed:', event)

# Watch for changes in the Bookings table

if conn.is\_connected():

cursor = conn.cursor()

cursor.execute('''

CREATE TRIGGER bookings\_trigger AFTER INSERT ON Bookings FOR EACH ROW

BEGIN

CALL handle\_data\_change('Booking added');

END

''')

print('Trigger created')

# Test the trigger by adding a new booking

cursor.execute('''

INSERT INTO Bookings (product\_id, customer\_name, customer\_email, date\_booked, quantity\_booked, status)

VALUES (1, 'John Smith', 'john@example.com', '2023-05-08', 2, 'new')

''')

conn.commit()

cursor.close()

conn.close()