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import mysql.connector

# Function to connect to the MySQL database
def connect_to_database():
    try:
        connection = mysql.connector.connect(
            host='localhost',
            user='root',
            password='sabarno@123',
            database='parkinginfo'
        )
        if connection.is_connected():
            print("Connected to the MySQL database")
            return connection
    except Exception as e:
        print(f"Error: {e}")
        return None

# Function to insert data into the parkingspaces table
def insert_data(connection, data):
    try:
        cursor = connection.cursor()
        query = "INSERT INTO parkingspaces (car_owner, plate_number, parking_space_id, time_of_arrival, time_of_departure) VALUES (%s, %s, %s, %s, %s)"
        cursor.executemany(query, data)
        connection.commit()
        print(f"{cursor.rowcount} record(s) inserted successfully")
    except Exception as e:
        print(f"Error: {e}")

# Function to fetch and display data from the parkingspaces table
def display_data(connection):
    try:
        cursor = connection.cursor()
        query = "SELECT * FROM parkingspaces"
        cursor.execute(query)
        rows = cursor.fetchall()
        print("Parking Spaces Data:")
        for row in rows:
            print(row)
    except Exception as e:
        print(f"Error: {e}")

# Function to close the database connection
def close_connection(connection):
    try:
        connection.close()
        print("Connection closed")
    except Exception as e:
        print(f"Error: {e}")

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# Sample data for insertion
sample_data = [
    ('John Doe', 'ABC123', 1, '2023-01-01 10:00:00', None),
    ('Jane Smith', 'XYZ789', 2, '2023-01-02 11:30:00', None),
    # ... add more data as needed
]

# Main execution
connection = connect_to_database()

if connection:
    insert_data(connection, sample_data)
    display_data(connection)
    close_connection(connection)
```