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import mysql.connector

# Establish a connection to the MySQL database
connection = mysql.connector.connect(
    host='localhost',
    user='root',
    password='',
    database='jawad'
)

# Create a cursor object to interact with the database
cursor = connection.cursor()

# Create a table
create_table_query = """
CREATE TABLE IF NOT EXISTS employees (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    age INT,
    department VARCHAR(100)
)
"""
cursor.execute(create_table_query)
print("Table created successfully")

# Insert a record
insert_query = """
INSERT INTO employees (name, age, department) VALUES (%s, %s, %s)
"""
employee_data = ("jawad amin khan", 23, "bscs")
cursor.execute(insert_query, employee_data)
connection.commit()
print("Record inserted successfully")

# Read records
select_query = "SELECT * FROM employees"
cursor.execute(select_query)
records = cursor.fetchall()
for record in records:
    print(record)

# Update a record
update_query = "UPDATE employees SET department = %s WHERE id = %s"
new_department = "computer science"
record_id = 1
cursor.execute(update_query, (new_department, record_id))
connection.commit()
print("Record updated successfully")

# Delete a record
delete_query = "DELETE FROM employees WHERE id = %s"
record_id = 1
cursor.execute(delete_query, (record_id,))
connection.commit()
print("Record deleted successfully")

# Execute multiple statements
multiple_statements = [
    "INSERT INTO employees (name, age, department) VALUES ('ahmad amin khan', 25, 'HR')",
    "INSERT INTO employees (name, age, department) VALUES ('mahmood amin khan', 35, 'Finance')",
    "INSERT INTO employees (name, age, department) VALUES ('hamid amin khan', 28, 'IT')"
]
for statement in multiple_statements:
    cursor.execute(statement)
    connection.commit()
print("Multiple statements executed successfully")

# Define the data to be inserted
employee_data = [
    ("talha", 25, "Finance"),
    ("mujeeb ur rahman", 30, "HR"),
    ("mahmoob ur rahman", 35, "IT")
]

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# Execute the query with multiple sets of parameters
cursor.executemany(insert_query, employee_data)

# Commit the transaction to save the records in the database
connection.commit()

# Close the cursor and connection
cursor.close()
connection.close()
print("Connection closed")
```