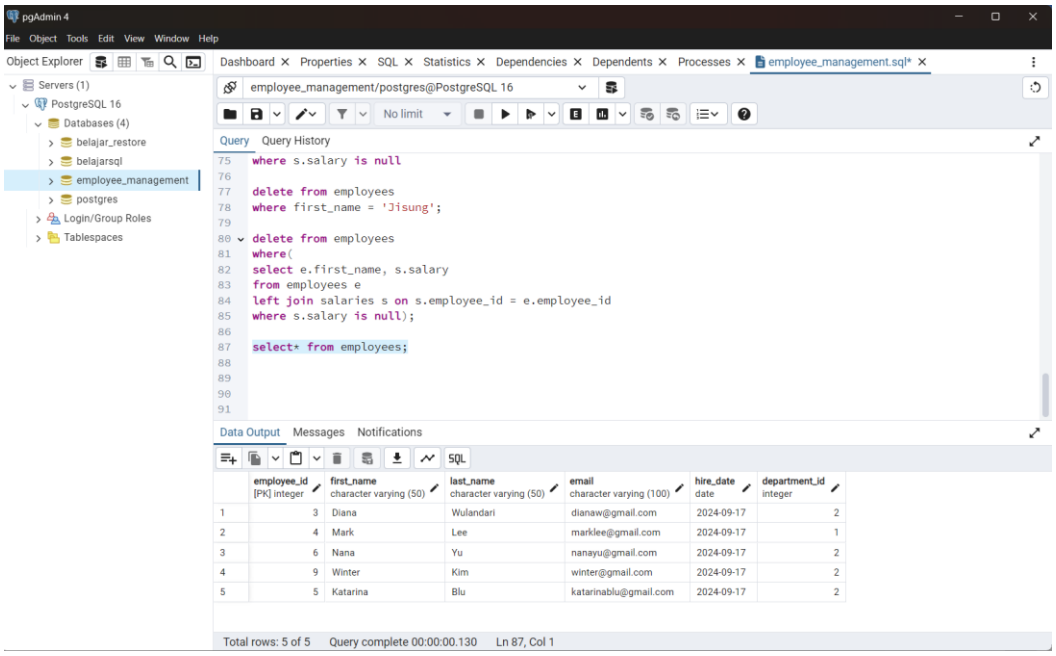
Dokumentasi Mini Project Employee Management

1. Tampilan db employee_management



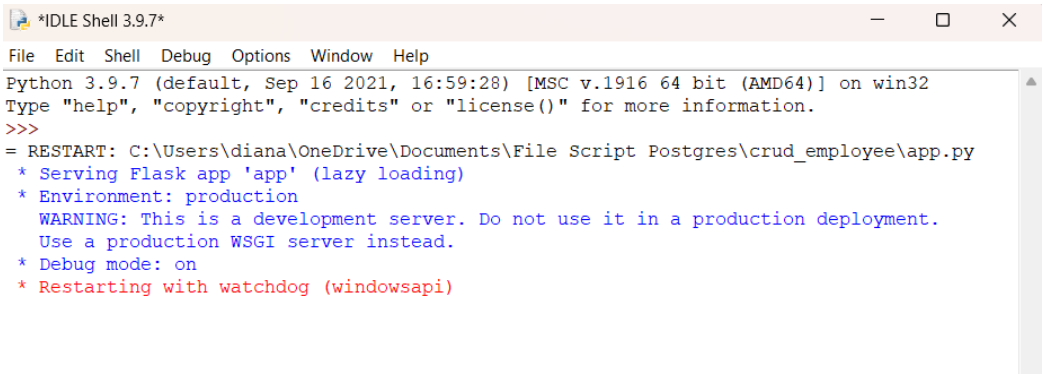
2. File script perintah CRUD menggunakan python

app.py - C:\Users\diana\OneDrive\Documents\File Script Postgres\crud_employee\app.py (3.9.7)

File Edit Format Run Options Window Help

```python
from flask import Flask, render_template, request, redirect
import psycopg2

app = Flask(__name__)

# Fungsi koneksi ke PostgreSQL
def get_db_connection():
    conn = psycopg2.connect("dbname=employee_management user=postgres password=postgres")
    return conn

# Menampilkan semua data karyawan
@app.route('/')
def index():
    conn = get_db_connection()
    cur = conn.cursor()
    cur.execute('SELECT * FROM employees;')
    employees = cur.fetchall()
    cur.close()
    conn.close()
    return render_template('index.html', employees=employees)

# Menampilkan form untuk menambah karyawan baru
@app.route('/add')
def add_employee():
    return render_template('add.html')

# Menambah karyawan baru ke database
@app.route('/add-employee', methods=['POST'])
def add_employee_post():
    first_name = request.form['first_name']
    last_name = request.form['last_name']
    email = request.form['email']
    department_id = request.form['department_id']

    conn = get_db_connection()
    cur = conn.cursor()
    cur.execute('''
        INSERT INTO employees (first_name, last_name, email, department_id)
        VALUES (%s, %s, %s, %s);
    ''', (first_name, last_name, email, department_id))
```

Ln: 1 Col: 0



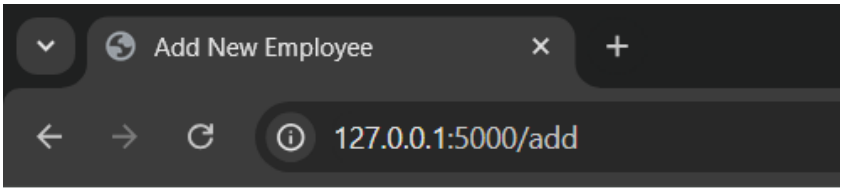
3. Tampilan web

Employeesss Management

Add New Employee

First Name	Last Name	Email	Hire Date	Department ID	Actions
Diana	Wulandari	dianaw@gmail.com	2024-09-17	2	Edit Delete
Mark	Lee	marklee@gmail.com	2024-09-17	1	Edit Delete
Nana	Yu	nanayu@gmail.com	2024-09-17	2	Edit Delete
Winter	Kim	winter@gmail.com	2024-09-17	2	Edit Delete
Ning	Yizhou	ningyi@gmail.com	2024-09-17	3	Edit Delete
Katarina	Blu	katarinablu@gmail.com	2024-09-17	2	Edit Delete

4. Add pegawai baru



Add New Employee

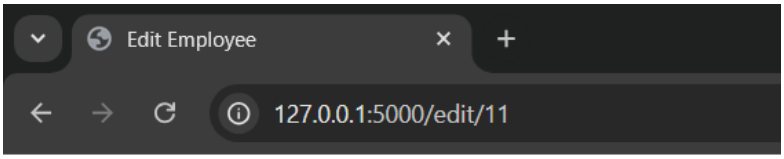
First Name: Ning
Last Name: Yizhou
Email: ningyi@gmail.com
Department ID: 1
Add Employee

Employeesss Management

Add New Employee

First Name	Last Name	Email	Hire Date	Department ID	Actions
Diana	Wulandari	dianaw@gmail.com	2024-09-17	2	Edit Delete
Mark	Lee	marklee@gmail.com	2024-09-17	1	Edit Delete
Nana	Yu	nanayu@gmail.com	2024-09-17	2	Edit Delete
Winter	Kim	winter@gmail.com	2024-09-17	2	Edit Delete
Katarina	Blu	katarinablu@gmail.com	2024-09-17	2	Edit Delete
Ning	Yizhou	ningyi@gmail.com	2024-09-17	1	Edit Delete

5. Update Data pegawai Ning Yizhou, mengubah departemen ID



Edit Employee

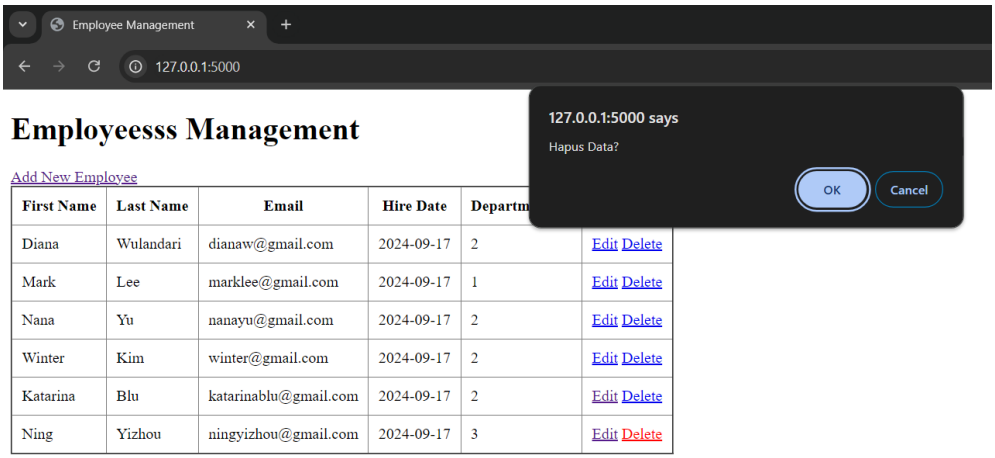
First Name: Ning
Last Name: Yizhou
Email: ningyizhou@gmail.com
Department ID: 3
Update Employee

Employeesss Management

Add New Employee

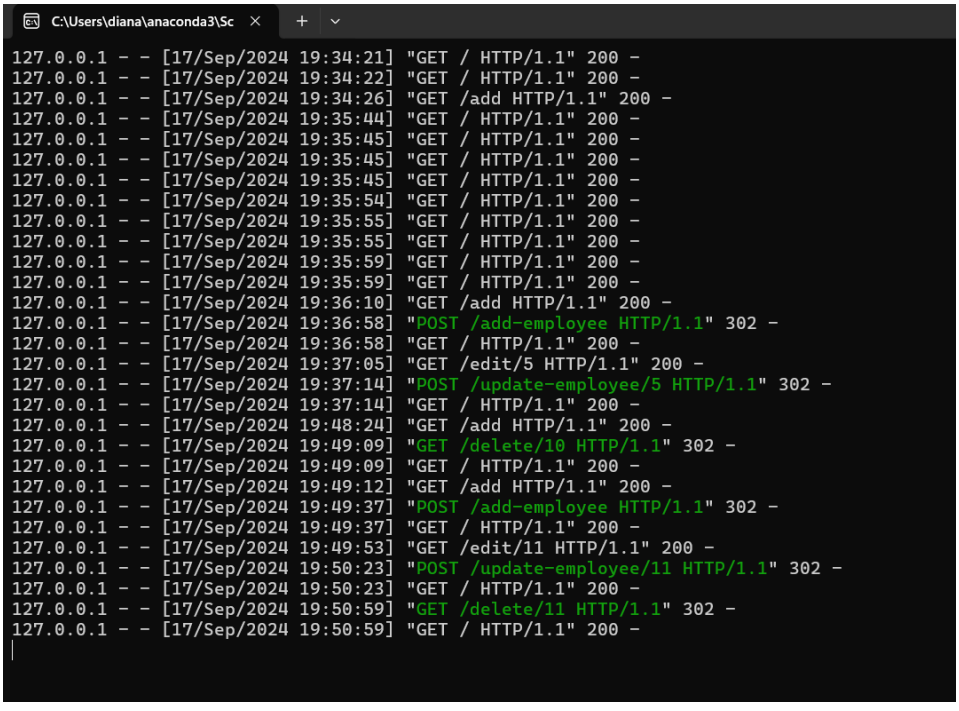
First Name	Last Name	Email	Hire Date	Department ID	Actions
Diana	Wulandari	dianaw@gmail.com	2024-09-17	2	Edit Delete
Mark	Lee	marklee@gmail.com	2024-09-17	1	Edit Delete
Nana	Yu	nanayu@gmail.com	2024-09-17	2	Edit Delete
Winter	Kim	winter@gmail.com	2024-09-17	2	Edit Delete
Katarina	Blu	katarinablu@gmail.com	2024-09-17	2	Edit Delete
Ning	Yizhou	ningyizhou@gmail.com	2024-09-17	3	Edit Delete

6. Delete Data pegawai Ning Yizhou



Employeesss Management

Add New Employee

First Name	Last Name	Email	Hire Date	Department ID	Actions
Diana	Wulandari	dianaw@gmail.com	2024-09-17	2	Edit Delete
Mark	Lee	marklee@gmail.com	2024-09-17	1	Edit Delete
Nana	Yu	nanayu@gmail.com	2024-09-17	2	Edit Delete
Winter	Kim	winter@gmail.com	2024-09-17	2	Edit Delete
Katarina	Blu	katarinablu@gmail.com	2024-09-17	2	Edit Delete

7. Dokumentasi terminal