Module 5
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Explanation of Dependency Graphs

To visualize dependency for my main file app.py, I generated dependency graphs using graphviz for both app.py and pages_bp.py (which is imported into app.py and contains the bulk of the logic for creating a Flask webpage). The first dependency graph, saved as src_website_app.svg, demonstrates that app.py relies on the flask import. The core modules of flask include flask.cli, flask.json, flask.templating, flask.globals, flask.wrappers, flask.helpers, and flask.blueprints. The second dependency graph, saved as src_website_pages_bp.svg, imports flask and includes the same dependencies mentioned above, and also imports psycopg. Psycopg includes a complex network of interconnected dependencies. The core modules include psycopg.connection, psycopg.cursor_async, psycopg_copy, psycopg_pipeline, psycopg_transaction, psycopg_connection_base, psycopg_capabilities, and psycopg_enums. All of these eventually point to the psycopg module imported into pages_bp.py.