LAB 04:

```
(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> python .\db-test.p
y
Adding book:
Status: 201
{
    "author": "db-tester",
    "id": 1,
    "title": "DB Test 1765481835",
    "year": 2025
}

Verifying persistence:
Status: 200
{
    "books": [
        {
            "author": "db-tester",
            "id": 1,
            "title": "DB Test 1765481835",
            "year": 2025
        }
    ],
    "count": 1
}

Found book id=1; deleting it:
Status: 200
{
    "message": "Book deleted successfully"
}

Done
(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> |
```

```
(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> Invoke-RestMethod
-Uri http://localhost:5000/books

books count
----- -----
{}        0


(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> Invoke-RestMethod
-Method Post -Uri http://localhost:5000/books -Body (@{title='Manual
Book'; author='You'; year=2025} | ConvertTo-Json) -ContentType 'appli
cation/json'

author id title        year
------ -- -----        ----
You     2 Manual Book 2025


(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> |
```

```
(.venv) PS D:\Study\cloud\lab-03aa-Ouday-Messaadi> Get-Content -Path
.\logs\app.log -Wait
 * Serving Flask app 'app'
 * Debug mode: on
2025-12-11 19:36:14,089 - INFO - WARNING: This is a development serve
r. Do not use it in a production deployment. Use a production WSGI se
rver instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.19.0.2:5000
2025-12-11 19:36:14,089 - INFO - Press CTRL+C to quit
2025-12-11 19:36:14,091 - INFO -  * Restarting with stat
2025-12-11 19:36:14,248 - WARNING -  * Debugger is active!
2025-12-11 19:36:14,248 - INFO -  * Debugger PIN: 224-764-242
2025-12-11 19:37:06,934 - INFO - 172.19.0.1 - - [11/Dec/2025 19:37:06
] "GET /health HTTP/1.1" 200 -
2025-12-11 19:37:15,838 - INFO - 172.19.0.1 - - [11/Dec/2025 19:37:15
] "POST /books HTTP/1.1" 201 -
2025-12-11 19:37:15,843 - INFO - GET /books endpoint called
2025-12-11 19:37:15,847 - INFO - 172.19.0.1 - - [11/Dec/2025 19:37:15
] "GET /books HTTP/1.1" 200 -
2025-12-11 19:37:15,868 - INFO - 172.19.0.1 - - [11/Dec/2025 19:37:15
] "DELETE /books/1 HTTP/1.1" 200 -
2025-12-11 19:37:51,382 - INFO - GET /books endpoint called
2025-12-11 19:37:51,387 - INFO - 172.19.0.1 - - [11/Dec/2025 19:37:51
] "GET /books HTTP/1.1" 200 -
2025-12-11 19:38:00,877 - INFO - 172.19.0.1 - - [11/Dec/2025 19:38:00
] "POST /books HTTP/1.1" 201 -
|
```