

## **Project 1 Tutorial Build • Secure • Deploy**

## Run Locally

```
php -S 0.0.0.0:8000 -t code
```

Starts PHP's built-in server, serves from `code/`, accessible at <http://localhost:8000>

## Step 7: Auth (Bearer) & SQLite

- Set token: `export API_TOKEN='devtoken123'`
- Mutating routes require Authorization header
- SQLite auto-creates at `code/data.sqlite`

## Test Authentication

```
export API_TOKEN=devtoken123
```

```
curl -s -X POST http://localhost:8000/api/items -H 'Authorization: Bearer $API_TOKEN' -H 'Content-Type: application/json' -d '{"name":"milk"}'
```

## Step 8: Add Extra Endpoints

- GET /api/version — API version
- GET /api/stats — item counts/uptime
- GET /api/items/search?q=milk — search by name

## Next Steps

- Add NGINX reverse proxy
- Use environment variables for secrets
- Implement validation & error handling

## Wrap-Up

- REST API running locally
- Bearer Auth + SQLite persistence
- 8+ endpoints
- Ready for NGINX deployment

## Questions?

Let's build something secure, scalable, and fast!