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UJIAN TENGAH SEMESTER
WEB SERVICE

Membuat Database Minimarketdb dengan 10 tabel :

☐	detail_transaksi	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	4 InnoDB utf8mb4_general_ci	48.0 KiB
☐	diskon	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	32.0 KiB
☐	inventaris	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	16.0 KiB
☐	karyawan	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	16.0 KiB
☐	kategori_produk	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	16.0 KiB
☐	pelanggan	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	16.0 KiB
☐	produk	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	5 InnoDB utf8mb4_general_ci	16.0 KiB
☐	stok_masuk	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	48.0 KiB
☐	supplier	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	16.0 KiB
☐	transaksi	⭐	🔲 Browse	🔧 Structure	🔍 Search	⊟ Insert	🗑 Empty	⊘ Drop	3 InnoDB utf8mb4_general_ci	32.0 KiB
	10 tables	Sum							33 InnoDB utf8mb4_general_ci	256.0 KiB

Sidebar tree:
- login_db
- minimarketdb
  - New
  - detail_transaksi
  - diskon
  - inventaris
  - karyawan
  - kategori_produk
  - pelanggan
  - produk
  - stok_masuk
  - supplier
  - transaksi
- mysql

Membuat API, API saya namai minimarket.php dan saya juga memasukan perintah CRUD didalam API

```php
<?php
// Konfigurasi database
$host = 'localhost';
$db_name = 'minimarketdb';
$username = 'root';
$password = '';

try {
    $conn = new PDO("mysql:host=$host;dbname=$db_name", $username, $password);
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $exception) {
    echo json_encode(["error" => "Connection error: " . $exception->getMessage()]);
    exit();
}

// Menentukan tipe konten sebagai JSON
header("Content-Type: application/json");

// Mendapatkan HTTP method
$method = $_SERVER['REQUEST_METHOD'];

// Mendapatkan endpoint yang diakses
$request = explode('/', trim($_SERVER['PATH_INFO'], '/'));

// Menentukan tabel dari parameter URL (misal: /diskon)
$table = preg_replace('/[^a-z0-9_]+/i', '', array_shift($request));

// Tentukan primary key berdasarkan tabel
$primaryKeys = [
    'diskon' => 'id_diskon',
    'produk' => 'id_produk',
    'detail_transaksi' => 'id_detail',
    'inventaris' => 'id_inventaris',
    'karyawan' => 'id_karyawan',
    'kategori_produk' => 'id_kategori_produk',
    'pelanggan' => 'id_pelanggan',
    'stok_masuk' => 'id_stok_masuk',
    'supplier' => 'id_supplier',
    'transaksi' => 'id_transaksi',
    // Tambahkan primary key tabel lain sesuai kebutuhan
];

// Ambil nama primary key sesuai tabel, jika tidak ditemukan default ke `id`
$primaryKey = isset($primaryKeys[$table]) ? $primaryKeys[$table] : 'id';

// Mengambil ID jika ada (misal: /diskon/1)
$id = array_shift($request) + 0;
```

Perintah API:

1. **GET**

2. **POST**

3. PUT

PUT https://localhost/api/minimarket.php/pelanggan/5 | Send

Params | Authorization | Headers (9) | Body ● | Scripts | Settings | Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨ | Beautify

```
1  {
2      "nama_pelanggan": "Muhammad Farrel Yafiwaghani",
3      "alamat": "Jl. Anggrek No.5, Weleri",
4      "nomor_telepon": "0811533344",
5      "email": "farrel.gaming@email.com"
6  }
```

Body | Cookies | Headers (7) | Test Results | 200 OK • 8 ms • 283 B

Pretty | Raw | Preview | Visualize | JSON ∨

```
1  {
2      "status": "Data berhasil diperbarui"
3  }
```

Body | Cookies | Headers (7) | Test Results

Pretty | Raw | Preview | Visualize | JSON ∨

```
1  {
2      "id_pelanggan": "5",
3      "nama_pelanggan": "Muhammad Farrel Yafiwaghani",
4      "alamat": "Jl. Anggrek No.5, Weleri",
5      "nomor_telepon": "0811533344",
6      "email": "farrel.gaming@email.com"
7  }
```

4. DELETE

DELETE https://localhost/api/minimarket.php/pelanggan/5 | Send

Params | Authorization | Headers (7) | Body | Scripts | Settings | Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨ | Beautify

```
1
```

Body | Cookies | Headers (7) | Test Results | 200 OK • 8 ms • 280 B

Pretty | Raw | Preview | Visualize | JSON ∨

```
1  {
2      "status": "Data berhasil dihapus"
3  }
```
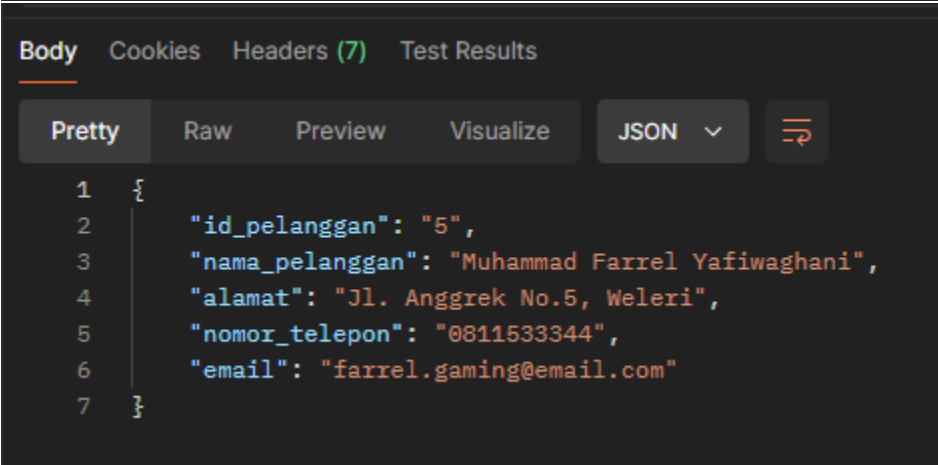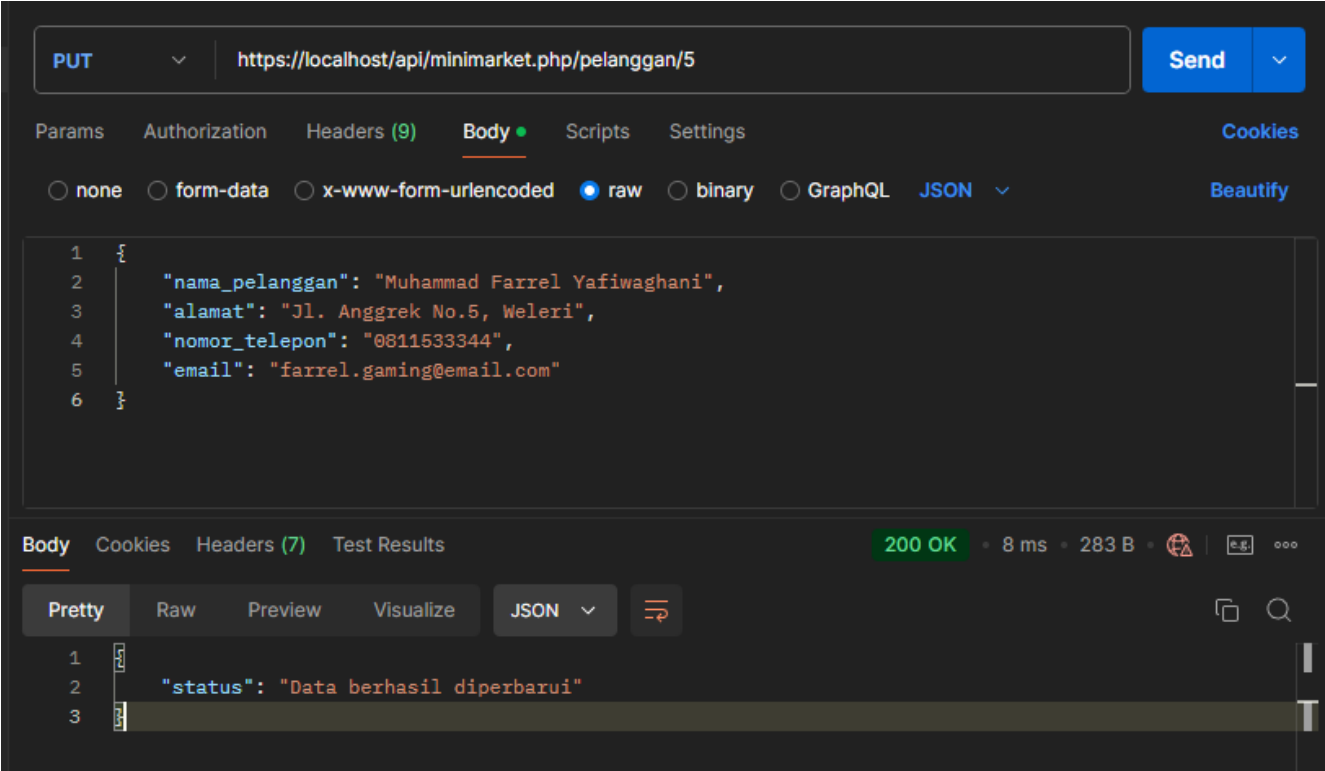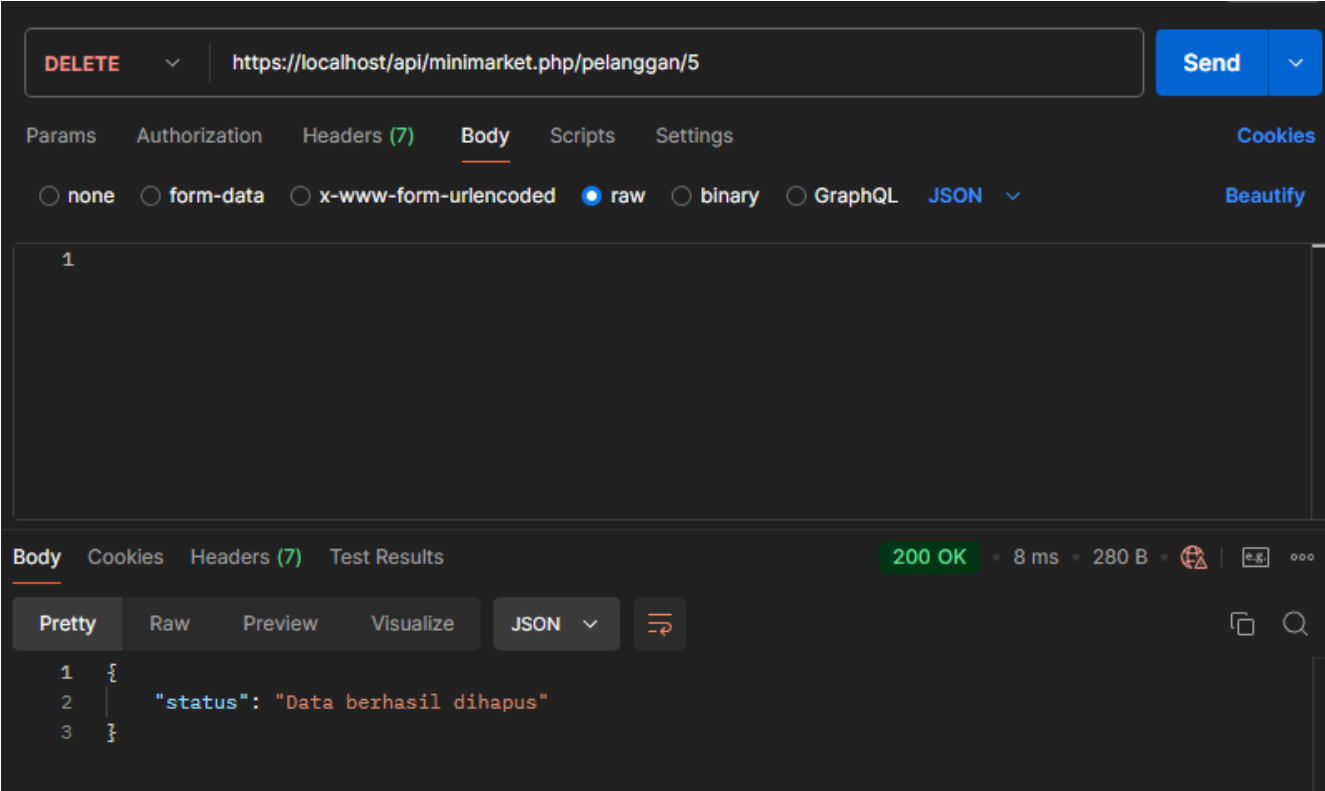
GET | https://localhost/api/minimarket.php/pelanggan/5 | Send

Params   Authorization   Headers (7)   **Body**   Scripts   Settings   **Cookies**

◯ none   ◯ form-data   ◯ x-www-form-urlencoded   ● raw   ◯ binary   ◯ GraphQL   JSON ⌄   **Beautify**

```
1
```

Body   Cookies   Headers (7)   Test Results

200 OK · 6 ms · 250 B

Pretty   Raw   Preview   Visualize   JSON ⌄

```
1   false
```