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Pemrograman Web 2

Tugas Pertemuan 14

Tugas

- CRUD Data Mahasiswa dengan JSON dengan ketentuan sbb:
 1. Buat data mhs sebanyak 10 dengan atribut (nim, nama, kelas, prodi, jurusan)
 2. Tampilkan semua data yang sudah di buat
 3. Tambahkan 5 data mahasiswa baru
 4. Perbaharui 7 data (value yang di perbaharui prodi dan jurusan)
 5. Hapus 4 data mahasiswa yang ada

1. Data default pada file data.json

```
1  [
2      {
3          "nim": 1907411005,
4          "name": "Afandi",
5          "kelas": "TI 5A",
6          "prodi": "TI",
7          "jurusan": "TIK"
8      },
9      {
10         "nim": 1907411006,
11         "name": "nana",
12         "kelas": "TI 5",
13         "prodi": "TI",
14         "jurusan": "TIK"
15     },
16     {
17         "nim": 1907411007,
18         "name": "ibnu",
19         "kelas": "TI 5A",
20         "prodi": "TI",
21         "jurusan": "TIK"
22     },
23     {
24         "nim": 1907411008,
25         "name": "adi",
26         "kelas": "TI 5B",
27         "prodi": "TI",
28         "jurusan": "TIK"
29     },
30     {
31         "nim": 1907411009,
32         "name": "aten",
33         "kelas": "TI 5B",
34         "prodi": "TI",
35         "jurusan": "TIK"
36     },
37     {
38         "nim": 1907411010,
39         "name": "Kintan",
40         "kelas": "TI 5B",
41         "prodi": "TI",
42         "jurusan": "TIK"
43     },
44     {
45         "nim": 1907411011,
46         "name": "leo",
47         "kelas": "TI 5B",
48         "prodi": "TI",
49         "jurusan": "TIK"
50     }
51 ]
```

2. Read file data.json dalam bentuk table

Insert 5 Data to JSON File

NIM	Nama	Kelas	Prodi	Jurusan	Action	
1907411005	Afandi	TI 5A	TI	TIK	Update	Delete
1907411006	nana	TI 5	TI	TIK	Update	Delete
1907411007	ibnu	TI 5A	TI	TIK	Update	Delete
1907411008	adi	TI 5B	TI	TIK	Update	Delete
1907411009	aten	TI 5B	TI	TIK	Update	Delete
1907411010	kintan	TI 5B	TI	TIK	Update	Delete
1907411011	leo	TI 5B	TI	TIK	Update	Delete

```
1 <table class="table table-sm table-striped table-bordered">
2   <thead>
3     <tr>
4       <th>NIM</th>
5       <th>Nama</th>
6       <th>Kelas</th>
7       <th>Prodi</th>
8       <th>Jurusan</th>
9       <th width="20%">Action</th>
10    </tr>
11  </thead>
12  <tbody>
13
14    <?php
15    foreach (json_decode(file_get_contents('./data.json')) as $item) {
16      echo "<tr>
17        <td>$item->nim</td>
18        <td>$item->name</td>
19        <td>$item->kelas</td>
20        <td>$item->prodi</td>
21        <td>$item->jurusan</td>
22        <td>
23          <a href='update.php?nim=$item->nim' class='btn btn-secondary text-capitalize'>update</a>
24          <a href='delete.php?nim=$item->nim' class='btn btn-danger text-capitalize'>delete</a>
25        </td>
26      </tr>";
27    } ?>
28  </tbody>
29 </table>
```

3. Insert 5 data yang sudah ditentukan pada file insert.php (jadi tidak ada form insert)

NIM	Nama	Kelas	Prodi	Jurusan	Action	
1907411005	Afandi	TI 5A	TI	TIK	Update	Delete
1907411006	nana	TI 5	TI	TIK	Update	Delete
1907411007	ibnu	TI 5A	TI	TIK	Update	Delete
1907411008	adi	TI 5B	TI	TIK	Update	Delete
1907411009	aten	TI 5B	TI	TIK	Update	Delete
1907411010	kintan	TI 5B	TI	TIK	Update	Delete
1907411011	leo	TI 5B	TI	TIK	Update	Delete
1907411020	Rizki	TI 5B	TI	TIK	Update	Delete
1907411021	Hani	TI 5A	TI	TIK	Update	Delete
1907411022	Sultan	TI 5A	TI	TIK	Update	Delete
1907411023	Misbah	TI 5B	TI	TIK	Update	Delete
1907411024	Nanda	TI 5B	TI	TIK	Update	Delete

```
1 <?php
2 $data = json_decode(file_get_contents('./data.json'));
3 $data[] = [
4     'nim' => 1907411020,
5     'name' => 'Rizki',
6     'kelas' => 'TI 5B',
7     'prodi' => 'TI',
8     'jurusan' => 'TIK'
9 ];
10 $data[] = [
11     'nim' => 1907411021,
12     'name' => 'Hani',
13     'kelas' => 'TI 5A',
14     'prodi' => 'TI',
15     'jurusan' => 'TIK'
16 ];
17 $data[] = [
18     'nim' => 1907411022,
19     'name' => 'Sultan',
20     'kelas' => 'TI 5A',
21     'prodi' => 'TI',
22     'jurusan' => 'TIK'
23 ];
24 $data[] = [
25     'nim' => 1907411023,
26     'name' => 'Misbah',
27     'kelas' => 'TI 5B',
28     'prodi' => 'TI',
29     'jurusan' => 'TIK'
30 ];
31 $data[] = [
32     'nim' => 1907411024,
33     'name' => 'Nanda',
34     'kelas' => 'TI 5B',
35     'prodi' => 'TI',
36     'jurusan' => 'TIK'
37 ];
38 file_put_contents('./data.json', json_encode($data, JSON_PRETTY_PRINT));
39 header('location: ./index.php');
40
```

4. Update data prodi dan jurusan yang sudah ditentukan pada file update.php sesuai dengan NIM yang dituju (jadi tidak ada form insert)

NIM	Nama	Kelas	Prodi	Jurusan	Action	
1907411005	Afandi	TI 5A	TI	TIK	Update	Delete
1907411006	nana	TI 5	percetakan	TGP	Update	Delete
1907411007	ibnu	TI 5A	TI	TIK	Update	Delete
1907411008	adi	TI 5B	percetakan	TGP	Update	Delete
1907411009	aten	TI 5B	TI	TIK	Update	Delete
1907411010	kintan	TI 5B	percetakan	TGP	Update	Delete
1907411011	leo	TI 5B	percetakan	TGP	Update	Delete
1907411020	Rizki	TI 5B	percetakan	TGP	Update	Delete
1907411021	Hani	TI 5A	TI	TIK	Update	Delete
1907411022	Sultan	TI 5A	TI	TIK	Update	Delete
1907411023	Misbah	TI 5B	percetakan	TGP	Update	Delete
1907411024	Nanda	TI 5B	percetakan	TGP	Update	Delete

```
1 <?php
2 $data = json_decode(file_get_contents('./data.json'));
3 foreach ($data as $key => $value) {
4     if ($value->nim == $_GET['nim']) {
5         $data[$key]->prodi = 'percetakan';
6         $data[$key]->jurusan = 'TGP';
7     }
8 }
9 file_put_contents('./data.json', json_encode($data, JSON_PRETTY_PRINT));
10 header('location: ./index.php');
11 ?>
```

5. Delete data berdasarkan dengan NIM yang dipilih

NIM	Nama	Kelas	Prodi	Jurusan	Action	
1907411005	Afandi	TI 5A	TI	TIK	Update	Delete
1907411008	adi	TI 5B	percetakan	TGP	Update	Delete
1907411010	kintan	TI 5B	percetakan	TGP	Update	Delete
1907411011	leo	TI 5B	percetakan	TGP	Update	Delete
1907411021	Hani	TI 5A	TI	TIK	Update	Delete
1907411022	Sultan	TI 5A	TI	TIK	Update	Delete
1907411024	Nanda	TI 5B	percetakan	TGP	Update	Delete

```
1 <?php
2 $data = json_decode(file_get_contents('./data.json'));
3 foreach ($data as $key => $value) {
4     if ($value->nim == $_GET['nim']) {
5         array_splice($data, $key, 1);
6     }
7 }
8 file_put_contents('./data.json', json_encode($data, JSON_PRETTY_PRINT));
9 header('location: ./index.php');
10
```