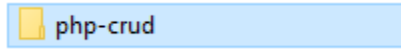


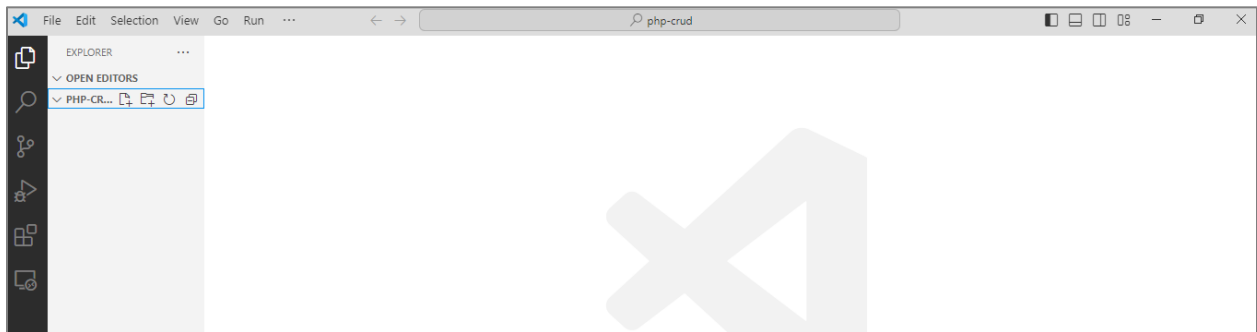
PHP – CRUD

1. Membuat Proyek PHP_CRUD

Buat sebuah proyek baru dengan nama `php_crud` pada direktori “C:\xampp\htdocs” atau sesuai dengan direktori instalasi xampp



Lalu buka proyek dengan visual code studio



2. Membuat Database dan Tabel

Buat sebuah database dengan nama **db_php** dan buat tabel dengan nama **tb_users** dengan stuktur tabel seperti berikut

| # | Nama | Jenis | Penyortiran | Atribut | Tak Ternilai | Bawaan | Komentar | Ekstra | Tindakan |
|----------------------------|--------|--------------|--------------------|---------|--------------|-----------|----------|----------------|----------------------|
| <input type="checkbox"/> 1 | id | int(10) | | | Tidak | Tidak ada | | AUTO_INCREMENT | Ubah Hapus Lainnya |
| <input type="checkbox"/> 2 | nama | varchar(255) | utf8mb4_general_ci | | Tidak | Tidak ada | | | Ubah Hapus Lainnya |
| <input type="checkbox"/> 3 | alamat | varchar(255) | utf8mb4_general_ci | | Tidak | Tidak ada | | | Ubah Hapus Lainnya |
| <input type="checkbox"/> 4 | nohp | char(13) | utf8mb4_general_ci | | Tidak | Tidak ada | | | Ubah Hapus Lainnya |

3. Membuat Koneksi Database

Buat sebuah file dengan nama `database.php` pada proyek **php_crud** untuk koneksi database.

Pemrograman Berbasis Web 2

```
database.php > ...
1  <?php
2
3  class Database
4  {
5      //properti
6      public $host = "localhost";
7      public $username = "root";
8      public $password = "";
9      public $database = "db_php";
10     public $connect;
11
12     function __construct()
13     {
14         $this->connect = mysqli_connect($this->host, $this->username, $this->password);
15         mysqli_select_db($this->connect, $this->database);
16
17         // // Mengecek koneksi (jika sudah berhasil tidak digunakan lagi)
18         // if ($this->connect->connect_error) {
19             die("Koneksi gagal : " . $this->connect->connect_error);
20         // }
21         // echo "Koneksi Berhasil";
22     }
23 }
```

Untuk menguji koneksi buat file index.php

```
index.php > ...
1  <?php
2  include 'database.php';
3  $db = new Database;
4  |
```

Pastikan koneksi sudah berhasil



4. Menambahkan Data ke Tabel Users

Isikan 5 data ke dalam tabel tb_user

| | | | id | nama | alamat | nohp |
|--------------------------|------|-------|-------|------------------|----------------------|--------------|
| <input type="checkbox"/> | Ubah | Salin | Hapus | 1 Ari Putra | Menjangan Bojong | 085742014272 |
| <input type="checkbox"/> | Ubah | Salin | Hapus | 2 Maharani | Binagriya Pekalongan | 085742117500 |
| <input type="checkbox"/> | Ubah | Salin | Hapus | 3 Megantara Wati | Wiradesa | 081322456678 |
| <input type="checkbox"/> | Ubah | Salin | Hapus | 4 Panji Setya | Podosugih Pekalongan | 081322659901 |
| <input type="checkbox"/> | Ubah | Salin | Hapus | 5 Sulistiyawati | Kajen Pekalongan | 088211883444 |

5. Menambahkan function tampilData

Function tampilData() digunakan untuk menampilkan data yang berada pada tabel tb_users. Function tampilData dibuat pada class Basisdata setelah function __construct()

Pemrograman Berbasis Web 2

```
24     function tampilData()
25     {
26         $data = mysqli_query($this->connect, "SELECT * FROM tb_users");
27         $rows = mysqli_fetch_all($data, MYSQLI_ASSOC);
28         // var_dump($rows); // untuk menguji menampilkan data (jika sudah tampil tidak digunakan lagi)
29         return $rows;
30     }
31 }
```

Menguji function tampilData pada objek \$db.

```
index.php > ...
1  <?php
2  include 'database.php';
3  $db = new Database;
4  // var_dump($db);
5  $db->tampilData(); // menguji tampilan data users
```

Hasil di browser sudah menunjukkan daftar data pada tb_users

```
localhost/php-crud/
C:\xampp\htdocs\php-crud\database.php:28:
array (size=5)
  0 =>
    array (size=4)
      'id' => string '1' (length=1)
      'nama' => string 'Ari Putra' (length=9)
      'alamat' => string 'Menjangan Bojong' (length=16)
      'nohp' => string '085742014272' (length=12)
  1 =>
    array (size=4)
      'id' => string '2' (length=1)
      'nama' => string 'Maharani ' (length=9)
      'alamat' => string 'Binagriya Pekalongan' (length=20)
      'nohp' => string '085742117500' (length=12)
  2 =>
    array (size=4)
      'id' => string '3' (length=1)
      'nama' => string 'Megantara Wati' (length=14)
      'alamat' => string 'Wiradesa' (length=8)
      'nohp' => string '081322456678' (length=12)
```

6. Membuat Tampilan dengan Bootstrap

Buka dokumentasi dari bootstrap, lalu **copy** untuk template html dari bootstrap.

The screenshot shows the Bootstrap 5.3 documentation page. A red box highlights the HTML template code under the heading "2. Include Bootstrap's CSS and JS". A "Copy to clipboard" button is visible next to the code. The code is as follows:

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
  </head>
  <body>
    <h1>Hello, world!</h1>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js">
  </script>
  </body>
</html>
```

Paste-kan code template bootstrap pada file **index.php** dibawah tag php.

Pemrograman Berbasis Web 2

```
index.php > html
1  <?php
2  include 'database.php';
3  $db = new Database;
4  // // var_dump($db);
5  // $db->tampilData(); // menguji tampilkan data users
6  ?>
7
8  <!doctype html>
9  <html lang="en">
10
11  <head>
12  <meta charset="utf-8">
13  <meta name="viewport" content="width=device-width, initial-scale=1">
14  <title>Bootstrap demo</title>
15  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
16  integrity="sha384-QwTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH" crossorigin="anonymous">
17  </head>
18  <body>
19  <h1>Hello, world!</h1>
20  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
21  integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>
22
23  </html>
```

Hasil di browser

localhost/php-crud/

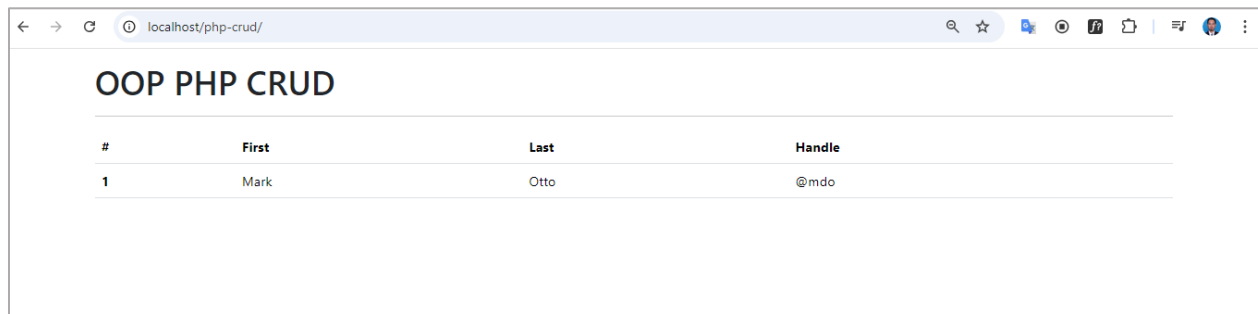
Hello, world!

Menyesuaikan tampilan daftar users pada file index.php

```
18  |
19  <body>
20  <!-- menambahkan kontainer -->
21  <div class="container mt-3">
22  <!-- menambahkan teks judul -->
23  <h1>OOP PHP CRUD</h1>
24  <hr>
25  <!-- menambahkan tabel untuk data -->
26  <table class="table table-hover">
27  <thead>
28  <tr>
29  <th scope="col">#</th>
30  <th scope="col">First</th>
31  <th scope="col">Last</th>
32  <th scope="col">Handle</th>
33  </tr>
34  </thead>
35  <tbody>
36  <tr>
37  <th scope="row">1</th>
38  <td>Mark</td>
39  <td>Otto</td>
40  <td>@mdo</td>
41  </tr>
42  </tbody>
43  </table>
44
45  </div>
46  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
47  integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>
48  </body>
```

Pemrograman Berbasis Web 2

Hasil pada browser



A screenshot of a web browser displaying a table titled "OOP PHP CRUD". The table has four columns: "#", "First", "Last", and "Handle". There is one row of data with the values "1", "Mark", "Otto", and "@mdo".

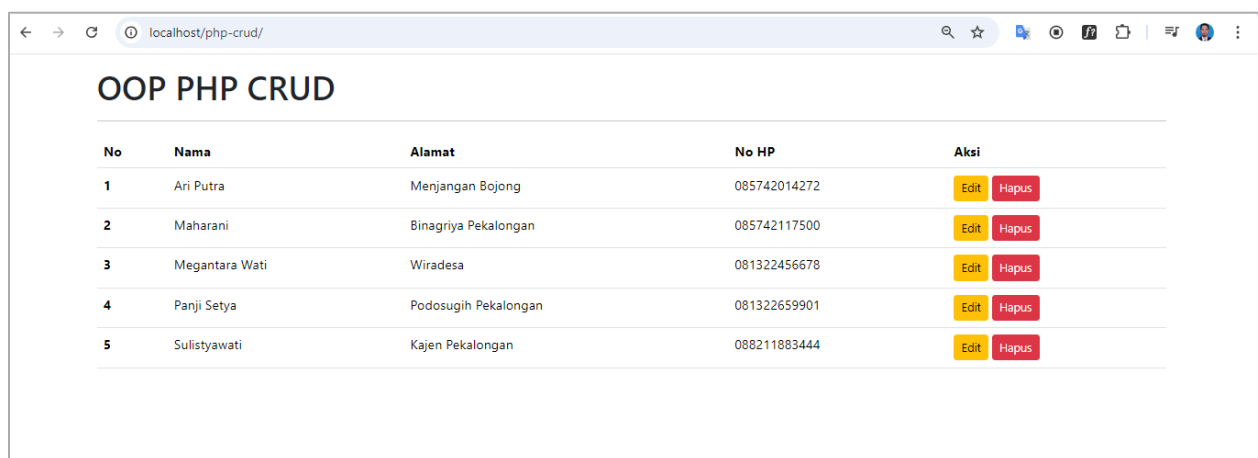
| # | First | Last | Handle |
|---|-------|------|--------|
| 1 | Mark | Otto | @mdo |

Menampilkan data dari tabel **tb_users** ke tampilan html menggunakan fungsi **foreach**



```
26 <table class="table table-hover">
27 <thead>
28 <tr>
29 <th scope="col">No</th>
30 <th scope="col">Nama</th>
31 <th scope="col">Alamat</th>
32 <th scope="col">No HP</th>
33 <th scope="col">Aksi</th>
34 </tr>
35 </thead>
36 <tbody>
37 <?php
38 $nomor = 1;
39 foreach ($db->tampilData() as $dataUser) {
40 <?
41 <tr>
42 <th scope="row"><?php echo $nomor++; ?></th>
43 <td><?php echo $dataUser['nama']; ?></td>
44 <td><?php echo $dataUser['alamat']; ?></td>
45 <td><?php echo $dataUser['nohp']; ?></td>
46 <td>
47 <a href="" class="btn btn-warning btn-sm">Edit</a>
48 <a href="" class="btn btn-danger btn-sm">Hapus</a>
49 </td>
50 </tr>
51 <?php
52 }
53 <?>
54 </tbody>
55 </table>
```

Hasil di browser



A screenshot of a web browser displaying a table titled "OOP PHP CRUD". The table has five columns: "No", "Nama", "Alamat", "No HP", and "Aksi". There are five rows of data, each with an "Edit" button and a "Hapus" button in the "Aksi" column.

| No | Nama | Alamat | No HP | Aksi |
|----|----------------|----------------------|--------------|--|
| 1 | Ari Putra | Menjangan Bojong | 085742014272 | Edit Hapus |
| 2 | Maharani | Binagriya Pekalongan | 085742117500 | Edit Hapus |
| 3 | Megantara Wati | Wiradesa | 081322456678 | Edit Hapus |
| 4 | Panji Setya | Podosugih Pekalongan | 081322659901 | Edit Hapus |
| 5 | Sulistyawati | Kajen Pekalongan | 088211883444 | Edit Hapus |

7. Menambahkan Fitur Tambah Data

Sebelum membuat file untuk tambah data, pertama tambahkan elemen button **tambah data** diatas tabel data user

```

19 <body>
20 <!-- menambahkan kontainer -->
21 <div class="container mt-3">
22 <!-- menambahkan teks judul -->
23 <h1>OOP PHP CRUD</h1>
24 <hr>
25 <!-- button tambah data -->
26 <a href="input.php" class="btn btn-success">Tambah Data</a>
27 <hr>
28 <!-- menambahkan tabel untuk data -->
29 <table class="table table-hover">

```

Hasil di browser

| No | Nama | Alamat | No HP | Aksi |
|----|----------------|----------------------|--------------|--|
| 1 | Ari Putra | Menjangan Bojong | 085742014272 | <button>Edit</button> <button>Hapus</button> |
| 2 | Maharani | Binagriya Pekalongan | 085742117500 | <button>Edit</button> <button>Hapus</button> |
| 3 | Megantara Wati | Wiradesa | 081322456678 | <button>Edit</button> <button>Hapus</button> |

Setelah membuat tombol tambah data, berikutnya buat file input.php

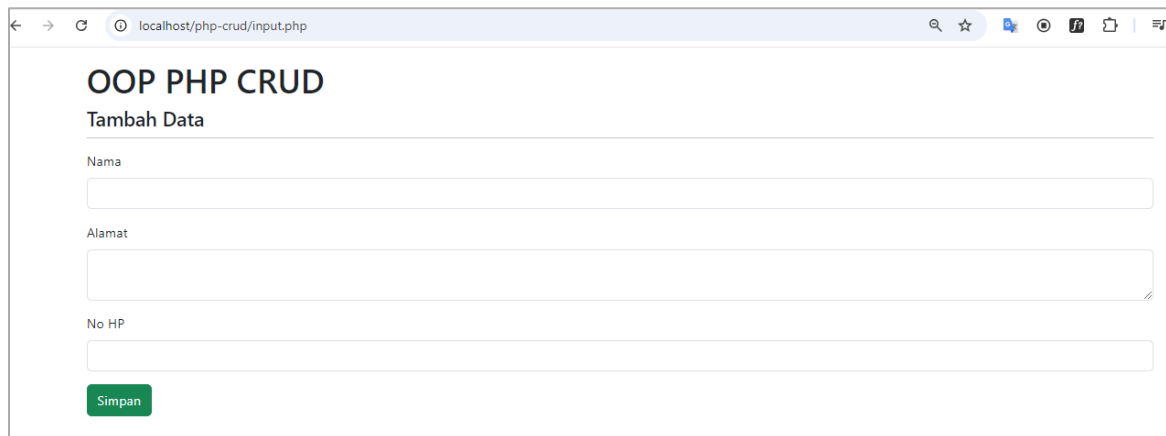
```

input.php > html > body
2 <html lang="en">
12 <body>
13 <div class="container mt-3">
14 <!-- menambahkan teks judul -->
15 <h1>OOP PHP CRUD</h1>
16 <h4>Tambah Data</h4>
17 <hr class="mt-0">
18 <!-- membuat form input data user -->
19 <form method="POST" action="proses.php?aksi=tambah">
20 <div class="mb-3">
21 <label for="nama" class="form-label">Nama</label>
22 <input type="text" class="form-control" id="nama" name="nama">
23 </div>
24 <div class="mb-3">
25 <label for="alamat" class="form-label">Alamat</label>
26 <textarea class="form-control" id="alamat" name="alamat"> </textarea>
27 </div>
28 <div class="mb-3">
29 <label for="nohp" class="form-label">No HP</label>
30 <input type="text" class="form-control" id="nohp" name="nohp">
31 </div>
32 <button type="submit" class="btn btn-success">Simpan</button>
33 </form>
34 </div>
35
36 </body>
37
38 </html>

```

Pemrograman Berbasis Web 2

Tampilan di browser



OOP PHP CRUD

Tambah Data

Nama

Alamat

No HP

Simpan

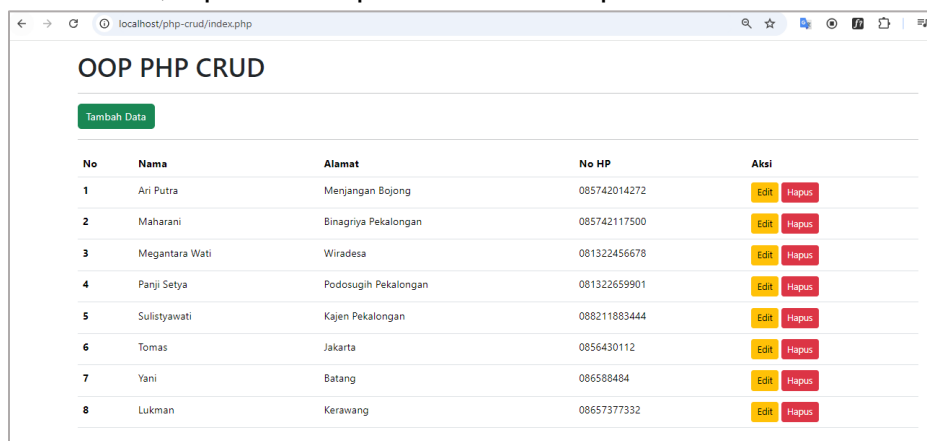
Membuat function tambahData() pada class Database

```
32 function tambahData($nama, $alamat, $nohp)
33 {
34     mysqli_query($this->connect, "INSERT INTO tb_users VALUES (NULL, '$nama', '$alamat', '$nohp')");
35 }
```

Untuk menjalankan aksi, buat file proses.php

```
proses.php > ...
1 <?php
2 include 'database.php';
3 $db = new Database();
4
5 // var_dump($_GET['aksi']); //uji coba klik tombol simpan
6
7 //membuat variable aksi, digunakan untuk menangkap aktifitas yang dilakukan oleh user
8 $aksi = $_GET['aksi'];
9
10 if ($aksi = "tambah") {
11     // pengujian kirim data
12     // var_dump($_POST['nama']);
13
14     // // tambah data
15     $db->tambahData($_POST['nama'], $_POST['alamat'], $_POST['nohp']);
16     // mengarahkan tampilan ke index
17     header("location:index.php");
18 }
```

Jika sudah, Input beberapa data melalui aplikasi



OOP PHP CRUD

Tambah Data

| No | Nama | Alamat | No HP | Aksi |
|----|----------------|----------------------|--------------|------------|
| 1 | Ari Putra | Menjangan Bojong | 085742014272 | Edit Hapus |
| 2 | Maharani | Binagriya Pekalongan | 085742117500 | Edit Hapus |
| 3 | Megantara Wati | Wiradesa | 081322456678 | Edit Hapus |
| 4 | Panji Setya | Podosugih Pekalongan | 081322659901 | Edit Hapus |
| 5 | Sulistyawati | Kajen Pekalongan | 088211883444 | Edit Hapus |
| 6 | Tomas | Jakarta | 0856430112 | Edit Hapus |
| 7 | Yani | Batang | 086588484 | Edit Hapus |
| 8 | Lukman | Kerawang | 08657377332 | Edit Hapus |

8. Menambahkan Fitur Edit Data

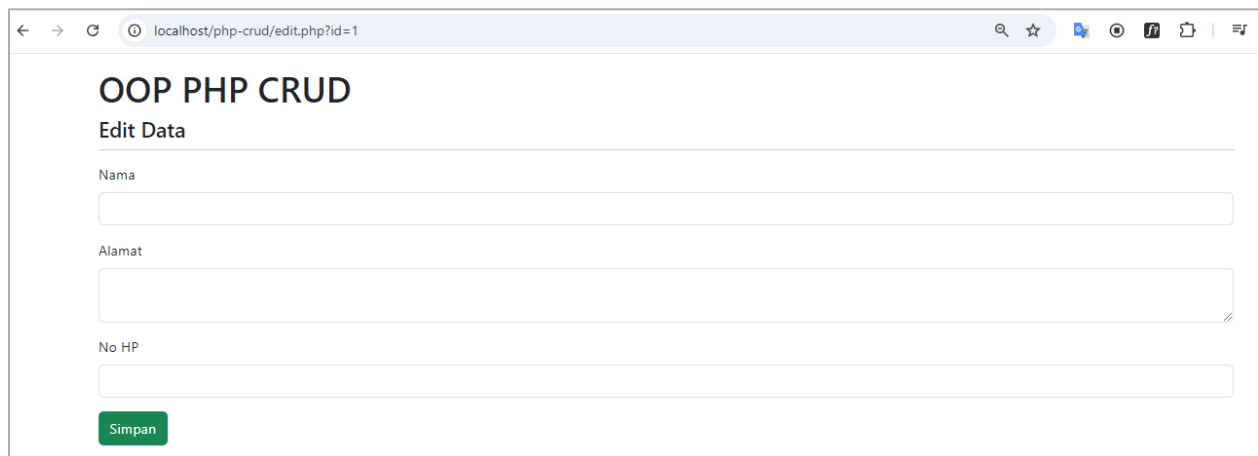
Membuat file edit.php untuk tampilan edit data, bisa copy-paste dari tampilan tambah data.

```
edit.php > html > body > div.container.mt-3 > h4
2  <html lang="en">
12 <body>
13   <div class="container mt-3">
14     <!-- menambahkan teks judul -->
15     <h1>OOP PHP CRUD</h1>
16     <h4>Edit Data</h4>
17     <hr class="mt-0">
18     <!-- membuat form input data user -->
19     <form method="POST" action="proses.php?aksi=tambah">
20       <div class="mb-3">
21         <label for="nama" class="form-label">Nama</label>
22         <input type="text" class="form-control" id="nama" name="nama">
23       </div>
24       <div class="mb-3">
25         <label for="alamat" class="form-label">Alamat</label>
26         <textarea class="form-control" id="alamat" name="alamat"> </textarea>
27       </div>
28       <div class="mb-3">
29         <label for="nohp" class="form-label">No HP</label>
30         <input type="text" class="form-control" id="nohp" name="nohp">
31       </div>
32       <button type="submit" class="btn btn-success">Simpan</button>
33     </form>
34   </div>
35
36 </body>
37
38 </html>
```

Menambahkan **tautan** pada **tombol edit** di file **index.php**

```
49   <td>
50     <a href="edit.php?id=php echo $dataUser['id'] ?" class="btn btn-warning btn-sm">Edit</a>
51     <a href="" class="btn btn-danger btn-sm">Hapus</a>
52   </td>
```

Hasil di browser



The screenshot shows a web browser window with the URL `localhost/php-crud/edit.php?id=1`. The page title is "OOP PHP CRUD" and the sub-header is "Edit Data". Below the header, there are three form fields: "Nama" (a text input), "Alamat" (a text area), and "No HP" (a text input). At the bottom left of the form is a green button labeled "Simpan".

Membuat function `editData()` pada class database yang berfungsi untuk mengambil data yang akan diedit

Pemrograman Berbasis Web 2

```
37 function editData($id)
38 {
39     $data = mysqli_query($this->connect, "SELECT * FROM tb_users WHERE id='$id'");
40     $rows = mysqli_fetch_all($data, MYSQLI_ASSOC);
41     return $rows;
42 }
```

Menyesuaikan file **edit.php**, tambahkan kode php untuk penggunaan class database dan membuat objek database.

```
edit.php > html > html > body > div.container.mt-3 > form > div.mb-3 > textarea#alamat.form-control
1 <?php
2 include 'database.php';
3 $db = new Database;
4 // var_dump($db->editData($_GET['id'])); menguji fungsi edit untuk melihat data berdasarkan id
5 $detail = $db->editData($_GET['id']);
6 ?>
7
8 <!doctype html>
```

Gunakan fungsi foreach untuk menampilkan informasi detail data user

```
edit.php > html > html
9 <html lang="en">
13 <html lang="en">
23 <body>
24 <div class="container mt-3">
29 <!-- membuat form update data user -->
30 <form method="POST" action="proses.php?aksi=update">
31 <?php
32 foreach ($detail as $dataUser) {
33 >
34 <input type="hidden" name="id" value="<?php echo $dataUser['id'] ?>">
35 <div class="mb-3">
36 <label for="nama" class="form-label">Nama</label>
37 <input type="text" class="form-control" id="nama" name="nama" value="<?php echo $dataUser['nama'] ?>">
38 </div>
39 <div class="mb-3">
40 <label for="alamat" class="form-label">Alamat</label>
41 <textarea class="form-control" id="alamat" name="alamat"><?php echo $dataUser['alamat'] ?></textarea>
42 </div>
43 <div class="mb-3">
44 <label for="nohp" class="form-label">No HP</label>
45 <input type="text" class="form-control" id="nohp" name="nohp" value="<?php echo $dataUser['nohp'] ?>">
46 </div>
47 <?php
48 }
49 ?>
50 <button type="submit" class="btn btn-success">Simpan</button>
51 </form>
52 </div>
53
54 </body>
```

Tambah diganti menjadi update

Tampilan di browser

OOP PHP CRUD

Edit Data

Nama

Maharani

Alamat

Binagriya Pekalongan

No HP

085742117500

Simpan

Pemrograman Berbasis Web 2

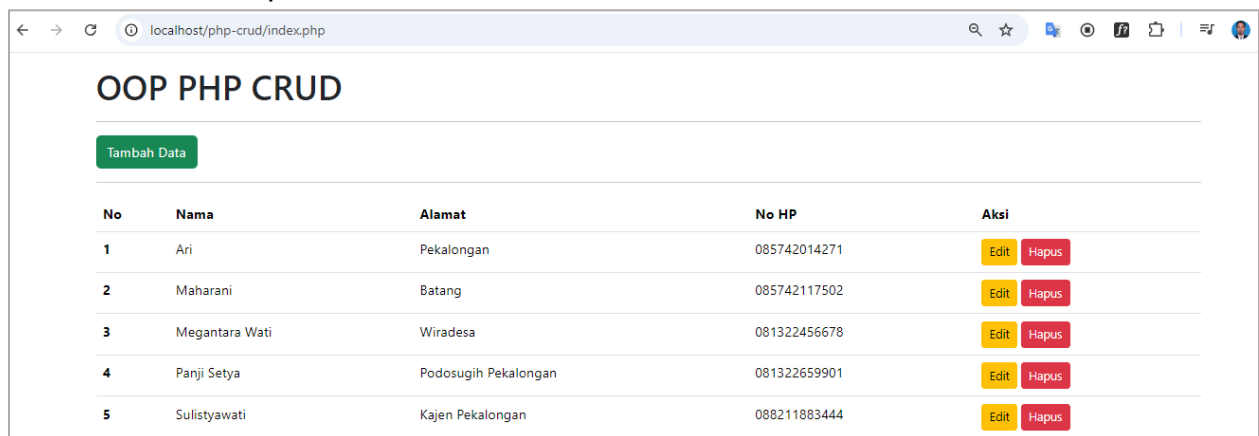
Membuat function **updateData()** pada class **database**.

```
44 function updateData($id, $nama, $alamat, $nohp)
45 {
46     mysqli_query($this->connect, "UPDATE `tb_users` SET `nama` = '$nama', `alamat` = '$alamat', `nohp` = '$nohp'
47     WHERE `tb_users`.`id` = '$id'");
}
```

Selanjutnya menambahkan aksi update pada file **proses.php** jika ada update data user

```
10 if ($aksi == "tambah") {
11     // pengujian kirim data
12     // var_dump($_POST['nama']);
13
14     //tambah data
15     $db->tambahData($_POST['nama'], $_POST['alamat'], $_POST['nohp']);
16     // mengarahkan tampilan ke index
17     header("location:index.php");
18 } elseif ($aksi == "update") {
19     //update data
20     $db->updateData($_POST['id'], $_POST['nama'], $_POST['alamat'], $_POST['nohp']);
21     header("location:index.php");
22 }
```

Hasil sudah bisa update



| No | Nama | Alamat | No HP | Aksi |
|----|----------------|----------------------|--------------|--|
| 1 | Ari | Pekalongan | 085742014271 | <button>Edit</button> <button>Hapus</button> |
| 2 | Maharani | Batang | 085742117502 | <button>Edit</button> <button>Hapus</button> |
| 3 | Megantara Wati | Wiradesa | 081322456678 | <button>Edit</button> <button>Hapus</button> |
| 4 | Panji Setya | Podosugih Pekalongan | 081322659901 | <button>Edit</button> <button>Hapus</button> |
| 5 | Sulistiyawati | Kajen Pekalongan | 088211883444 | <button>Edit</button> <button>Hapus</button> |

9. Membuat Fitur Hapus

Membuat function **hapusData()** pada class database

```
49 function hapusData($id)
50 {
51     mysqli_query($this->connect, "DELETE FROM tb_users WHERE `tb_users`.`id` = '$id'");
52 }
```

Menambahkan kondisi aksi hapus pada **proses.php**

```
18 } elseif ($aksi == "update") {
19     //update data
20     $db->updateData($_POST['id'], $_POST['nama'], $_POST['alamat'], $_POST['nohp']);
21     header("location:index.php");
22 } elseif ($aksi == "hapus") {
23     $db->hapusData($_GET['id']);
24     header("location:index.php");
25 }
```

Menambahkan **tautan** pada **tombol hapus** di file **index.php**

```
49     <td>
50         <a href="edit.php?id=<?php echo $dataUser['id'] ?>" class="btn btn-warning btn-sm">Edit</a>
51         <a href="proses.php?id=<?php echo $dataUser['id'] ?>&aksi=hapus" class="btn btn-danger btn-sm">Hapus</a>
52     </td>
```

Pemrograman Berbasis Web 2

File database.php

database.php > Database > tampilData

```
1  <?php
2
3  class Database
4  {
5      //properti
6      public $host = "localhost";
7      public $username = "root";
8      public $password = "";
9      public $database = "db_php";
10     public $connect;
11
12     function __construct()
13     {
14         $this->connect = mysqli_connect($this->host, $this->username, $this->password);
15         mysqli_select_db($this->connect, $this->database);
16     }
17
18
19     function tampilData()
20     {
21         $data = mysqli_query($this->connect, "SELECT * FROM tb_users");
22         $rows = mysqli_fetch_all($data, MYSQLI_ASSOC);
23         return $rows;
24     }
25
26     function tambahData($nama, $alamat, $nohp)
27     {
28         mysqli_query($this->connect, "INSERT INTO tb_users VALUES (NULL, '$nama', '$alamat', '$nohp')");
29     }
30
31     function editData($id)
32     {
33         $data = mysqli_query($this->connect, "SELECT * FROM tb_users WHERE id='$id'");
34         $rows = mysqli_fetch_all($data, MYSQLI_ASSOC);
35         return $rows;
36     }
37
38     function updateData($id, $nama, $alamat, $nohp)
39     {
40         mysqli_query($this->connect, "UPDATE `tb_users` SET `nama` = '$nama ', `alamat` = '$alamat', `nohp` = '$nohp' WHERE `tb_users`.`id` = '$id'");
41     }
42
43     function hapusData($id)
44     {
45         mysqli_query($this->connect, "DELETE FROM tb_users WHERE `tb_users`.`id` = '$id'");
46     }
47 }
48
```

Pemrograman Berbasis Web 2

File index.php

```
index.php > html
1  <?php
2  include 'database.php';
3  $db = new Database;
4  // // var_dump($db);
5  // $db->tampilData(); // menguji tampilkan data users
6  ?>
7
8  <!doctype html>
9  <html lang="en">
10
11  <head>
12      <meta charset="utf-8">
13      <meta name="viewport" content="width=device-width, initial-scale=1">
14      <!-- mengganti title -->
15      <title>OOP PHP CRUD</title>
16      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
17          integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH" crossorigin="anonymous">
18  </head>
19  <body>
20      <!-- menambahkan container -->
21      <div class="container mt-3">
22          <!-- menambahkan teks judul -->
23          <h1>OOP PHP CRUD</h1>
24          <hr>
25          <!-- button tambah data -->
26          <a href="input.php" class="btn btn-success">Tambah Data</a>
27          <hr>
28          <!-- menambahkan tabel untuk data -->
29          <table class="table table-hover">
30              <thead>
31                  <tr>
32                      <th scope="col">No</th>
33                      <th scope="col">Nama</th>
34                      <th scope="col">Alamat</th>
35                      <th scope="col">No HP</th>
36                      <th scope="col">Aksi</th>
37                  </tr>
38              </thead>
39
40              <tbody>
41                  <?php
42                  $nomor = 1;
43                  foreach ($db->tampilData() as $dataUser) {
44                      <tr>
45                          <th scope="row"><?php echo $nomor++; ?></th>
46                          <td><?php echo $dataUser['nama']; ?></td>
47                          <td><?php echo $dataUser['alamat']; ?></td>
48                          <td><?php echo $dataUser['nohp']; ?></td>
49                          <td>
50                              <a href="edit.php?id=<?php echo $dataUser['id'] ?>" class="btn btn-warning btn-sm">Edit</a>
51                              <a href="proses.php?id=<?php echo $dataUser['id'] ?>&aksi=hapus" class="btn btn-danger
52                                  btn-sm">Hapus</a>
53                          </td>
54                      </tr>
55                  <?php
56                  }
57                  ?>
58              </tbody>
59          </table>
```

Pemrograman Berbasis Web 2

```
59 |  
60 | </div>  
61 | <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"  
    integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>  
62 | </body>  
63 |  
64 | </html>
```

File input.php

```
input.php > html  
1  <!DOCTYPE html>  
2  <html lang="en">  
3  
4  <head>  
5      <meta charset="UTF-8">  
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">  
7      <!-- mengganti title -->  
8      <title>OOP PHP CRUD</title>  
9      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"  
    integrity="sha384-QwTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH" crossorigin="anonymous">  
10 </head>  
11  
12 <body>  
13     <div class="container mt-3">  
14         <!-- menambahkan teks judul -->  
15         <h1>OOP PHP CRUD</h1>  
16         <h4>Tambah Data</h4>  
17         <hr class="mt-0">  
18         <!-- membuat form input data user -->  
19         <form method="POST" action="proses.php?aksi=tambah">  
20             <div class="mb-3">  
21                 <label for="nama" class="form-label">Nama</label>  
22                 <input type="text" class="form-control" id="nama" name="nama">  
23             </div>  
24             <div class="mb-3">  
25                 <label for="alamat" class="form-label">Alamat</label>  
26                 <textarea class="form-control" id="alamat" name="alamat"> </textarea>  
27             </div>  
28             <div class="mb-3">  
29                 <label for="nohp" class="form-label">No HP</label>  
30                 <input type="text" class="form-control" id="nohp" name="nohp">  
31             </div>  
32             <button type="submit" class="btn btn-success">Simpan</button>  
33         </form>  
34     </div>  
35  
36 </body>  
37  
38 </html>
```

File edit.php

```
1  <?php  
2  include 'database.php';  
3  $db = new Database;  
4  // var_dump($db->editData($_GET['id'])); menguji fungsi edit untuk melihat data berdasarkan id  
5  $detail = $db->editData($_GET['id']);  
6  >>  
7
```

Pemrograman Berbasis Web 2

```
8 <!doctype html>
9 <html lang="en">
10
11 <!DOCTYPE html>
12 <html lang="en">
13
14 <head>
15 <meta charset="UTF-8">
16 <meta name="viewport" content="width=device-width, initial-scale=1.0">
17 <!-- mengganti title -->
18 <title>OOP PHP CRUD</title>
19 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-QwTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhJY6hW+ALEwIH" crossorigin="anonymous">
20 </head>
21
22 <body>
23 <div class="container mt-3">
24 <!-- menambahkan teks judul -->
25 <h1>OOP PHP CRUD</h1>
26 <h4>Edit Data</h4>
27 <hr class="mt-0">
28
29 <!-- membuat form update data user -->
30 <form method="POST" action="proses.php?aksi=update">
31 <?php
32     foreach ($detail as $dataUser) {
33         <!-- untuk id menggunakan type hidden karena id tidak diubah -->
34         <input type="hidden" name="id" value="<?php echo $dataUser['id'] ?>">
35         <div class="mb-3">
36             <label for="nama" class="form-label">Nama</label>
37             <input type="text" class="form-control" id="nama" name="nama" value="<?php echo $dataUser['nama'] ?>">
38         </div>
39         <div class="mb-3">
40             <label for="alamat" class="form-label">Alamat</label>
41             <textarea class="form-control" id="alamat" name="alamat"><?php echo $dataUser['alamat'] ?></textarea>
42         </div>
43         <div class="mb-3">
44             <label for="nohp" class="form-label">No HP</label>
45             <input type="text" class="form-control" id="nohp" name="nohp" value="<?php echo $dataUser['nohp'] ?>">
46         </div>
47     <?php
48     }
49     ?>
50     <button type="submit" class="btn btn-success">Simpan</button>
51 </form>
52 </div>
53
54 </body>
55
56 </html>
```

Pemrograman Berbasis Web 2

File proses.php

```
proses.php > ...
1  <?php
2  include 'database.php';
3  $db = new Database();
4  $aksi = $_GET['aksi'];
5  if ($aksi == "tambah") {
6      $db->tambahData($_POST['nama'], $_POST['alamat'], $_POST['nohp']);
7      header("location:index.php");
8  } elseif ($aksi == "update") {
9      $db->updateData($_POST['id'], $_POST['nama'], $_POST['alamat'], $_POST['nohp']);
10     header("location:index.php");
11 } elseif ($aksi == "hapus") {
12     $db->hapusData($_GET['id']);
13     header("location:index.php");
14 }
```