

TUTORIAL CRUD CODEIGNITER With MySQL

Tutorial ini saya dedikasikan untuk yang baru terjun di framework codeigniter, dan para pemula yang ingin belajar secara otodidak.

Crud merupakan kewajiban dasar yang harus di kuasai dalam pembuatan website atau aplikasi berbasis web, CRUD sendiri didefinisikan menjadi Create, Read, Update dan Delete. Baik sekarang kita buat Database terlebih dahulu Buat Database dengan nama db_crud dan create table table_biodata dengan struktur berikut:

The screenshot shows the phpMyAdmin interface with the following details:

- Server: localhost
- Database: db_crud
- Table: table_biodata
- Structure View (selected)
- Table Data:

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	<code>id</code>	<code>int(5)</code>	<code>utf8_general_ci</code>	<code>UNSIGNED</code>	No	<code>None</code>	<code>AUTO_INCREMENT</code>	Change Drop Primary More
2	<code>firstname</code>	<code>varchar(45)</code>	<code>utf8_general_ci</code>		No	<code>None</code>		Change Drop Primary More
3	<code>lastname</code>	<code>varchar(45)</code>	<code>utf8_general_ci</code>		No	<code>None</code>		Change Drop Primary More
4	<code>hobby</code>	<code>varchar(15)</code>	<code>utf8_general_ci</code>		No	<code>None</code>		Change Drop Primary More
5	<code>phone</code>	<code>varchar(12)</code>	<code>utf8_general_ci</code>		No	<code>None</code>		Change Drop Primary More
6	<code>address</code>	<code>varchar(250)</code>	<code>utf8_general_ci</code>		No	<code>None</code>		Change Drop Primary More

Setelah selesai dalam pembuatan database. Langkah selanjutnya yaitu:

1. Lakukan konfigurasi pada framework codeigniter file-file yang harus di konfigurasi yaitu:
 - a. File config.php
 - line 17 `$config['base_url'] = 'http://localhost/CI/latihan_crud/';`
 - line 29 `$config['index_page'] = '';`
 - line 227 `$config['encryption_key'] = 'tutorialcrudsimiliarbuatpemula';`
 - b. File autoload.php
 - Line 55 `$autoload['libraries'] = array('database','session');`
 - Line 67 `$autoload['helper'] = array('url','form');`
 - c. File routes.php
 - Line `$route['default_controller'] = "biodata";`
 - d. File databases.php
 - `$db['default']['hostname'] = 'localhost';`
 - `$db['default']['username'] = 'root';`
 - `$db['default']['password'] = 'similiar';`
 - `$db['default']['database'] = 'db_crud';`
 - `$db['default']['dbdriver'] = 'mysql';`
2. Buat file .htaccess di dalam folder latihan-crud isikan perintah berikut
`RewriteEngine on`
`RewriteCond %{REQUEST_FILENAME} !-`

RewriteCond %{REQUEST_FILENAME} !-d

RewriteRule .* index.php/\$0 [PT,L]

3. Buat file controller dengan nama biodata.php

```
<?php if ( ! defined('BASEPATH')) exit('No direct script access
allowed');

class Biodata extends CI_Controller {

    public function __construct() {
        parent::__construct();

        $this->load->model('mbiodata');
    }

    public function index()
    {
        $this->load->view('form_add');
    }

    public function insert()
    {
        $this->mbiodata->do_insert();
        $data = array('info'=>'Selamat Anda Berhasil Melakukan
Insert Data');
        $this->session->set_flashdata($data);
        redirect('biodata/read');
    }

    public function read()
    {
        $data['query'] = $this->mbiodata->get();
        $this->load->view('browse', $data);
    }

    public function edit($id)
    {
        $data['query'] = $this->mbiodata->get_edit($id);
        $this->load->view('form_edit', $data);
    }

    public function update()
    {
        $this->mbiodata->do_update();
        $data = array('info'=>'Selamat Anda Berhasil Melakukan
Update Data');
        $this->session->set_flashdata($data);
        redirect('biodata/read');
    }

    public function delete($id)
    {
        $data['query'] = $this->mbiodata->do_delete($id);
    }
}
```

```

        $data = array('info'=>'Selamat Anda Berhasil Melakukan
Delete Data');
        $this->session->set_flashdata($data);
        redirect('biodata/read');
    }
}

/* End of file welcome.php */
/* Location: ./application/controllers/welcome.php */

```

4. Buat file model dengan nama mbiodata.php

```

<?php if ( ! defined('BASEPATH')) exit('No direct script access
allowed');

class Mbiodata extends CI_Model {

    function do_insert()
    {
        $firstname = $this->input->post('firstname');
        $lastname = $this->input->post('lastname');
        $hobby = $this->input->post('hobby');
        $phone = $this->input->post('phone');
        $address = $this->input->post('address');

        $data = array(
            'firstname'=> $firstname,
            'lastname'=> $lastname,
            'hobby'=> $hobby,
            'phone'=> $phone,
            'address'=> $address
        );
        $this->db->insert('table_biodata',$data);
    }

    public function get()
    {
        $query = $this->db->select('*')->from('table_biodata')-
>get();
        return $query;
    }

    public function get_edit($id)
    {
        $query = $this->db->select('*')->from('table_biodata')-
>where('id',$id)->get();
        return $query;
    }

    function do_update()
    {
        $id      = $this->input->post('id');
        $firstname = $this->input->post('firstname');
        $lastname = $this->input->post('lastname');
        $hobby = $this->input->post('hobby');
    }
}

```

```

$phone      = $this->input->post('phone');
$address    = $this->input->post('address');

$data = array(
    'firstname'=> $firstname,
    'lastname'=> $lastname,
    'hobby'=> $hobby,
    'phone'=> $phone,
    'address'=> $address
);
$where = array('id' => $id);
$this->db->update('table_biodata', $data, $where);
}

function do_delete($id)
{
    $where = array('id' => $id);
    $query = $this->db->delete('table_biodata', $where);

    return $query;
}
}

```

5. Buat file view dengan nama

Alert.php

```

<?php if($this->session->flashdata('info')) { ?>

    <div class="alert alert-info alert-dismissible">
        <button type="button" class="close" data-
dismiss="alert" aria-hidden="true">&times;</button>
        <strong>Informasi!</strong> <?php echo $this-
>session->flashdata('info')?> </div>

<?php } ?>

```

Browse.php

CRUD / Read

Tabel Biodata

No	Firstname	Lastname	Hobby	Address	Action
1	Similiar	Production	Coding Style	Jakarta pusat	Edit Delete
2	putra	wonosobo	main script	jawa tengah	Edit Delete

[Insert New Biodata](#)

```
<!DOCTYPE html>
<html>
<head>
<link href=<?php echo base_url() ?>bootstrap/css/bootstrap.min.css" rel="stylesheet" />
</head>
<body>
<?php echo $this->load->view('alert');?>
<div class="container">
<ul class="breadcrumb wellwhite">
<li>CRUD<span class="divider"></span></li>
<li>Read </li>
</ul>
<h3>Tabel Biodata</h3>
<table class="table table-striped">
<thead>
<tr class="info">
<th>No</th>
<th>Firstname</th>
<th>Lastname</th>
<th>Hobby</th>
<th>Address</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<?php $no=1; foreach ($query->result() as $key): ?>
<tr>
<td><?php echo $no ?></td>
<td><?php echo $key->firstname ?></td>
<td><?php echo $key->lastname ?></td>
<td><?php echo $key->hobby ?></td>
<td><?php echo $key->address ?></td>
<td>
<a class="btn btn-warning" href=<?php echo base_url() ?>biodata/edit/<?php echo $key->id ?>">
<span class="glyphicon glyphicon-pencil"></span>&ampnbsp&ampnbspEdit
</a>
```

```

<a class="btn btn-primary" href="php echo base_url()?biodata/delete/php echo $key-&gt;id
?&gt;"<br/
    onclick="return confirm('Are you sure remove this <?php echo $key->firstname ?> in the table??  

')">  

    <span class="glyphicon glyphicon-trash"></span>&ampnbsp&ampnbspDelete  

</a>  

</td>  

</tr>  

<?php $no++; endforeach;?>  

</tbody>  

</table>  

<hr>  

<a href="php echo base_url()?biodata" class="btn btn-success" >  

    <span class="glyphicon glyphicon-user"></span> Insert New Biodata  

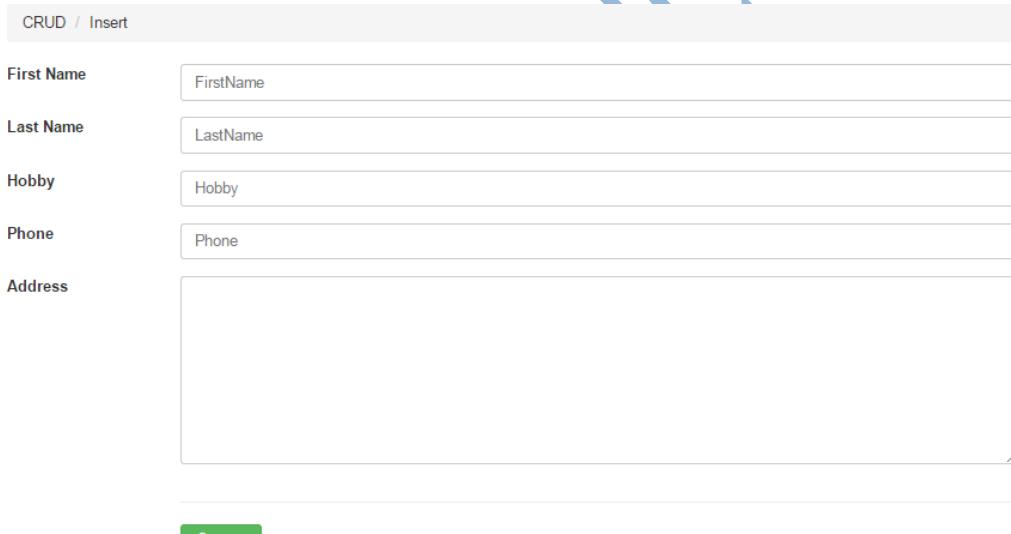
</a>  

<hr>  

</html>

```

Form_add.php



The screenshot shows a web page titled "CRUD / Insert". It contains a form with five input fields: "First Name", "Last Name", "Hobby", "Phone", and "Address". Below the form is a green "Save" button.

```

<!DOCTYPE html>  

<html ang-app="">  

<head>  

<link rel="stylesheet" href="php echo base_url()?bootstrap/css/bootstrap.min.css">  

</head>  

<body>  

<div class="container">  

<ul class="breadcrumb wellwhite">  

    <li>CRUD<span class="divider"></span></li>  

    <li>Insert </li>  

</ul>  

<form class="form-horizontal" role="form" method="post" action="php<br/
base_url()?>biodata/insert">  

    <div class="form-group">  

        <label for="inputEmail3" class="col-sm-2">First Name</label>

```

```
<div class="col-sm-10">
    <input type="text" class="form-control" placeholder="FirstName" name="firstname"
required="required">
</div>
</div>
<div class="form-group">
    <label for="inputPassword3" class="col-sm-2">Last Name</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" placeholder="LastName" name="lastname"
required="required">
    </div>
</div>
<div class="form-group">
    <label for="inputEmail3" class="col-sm-2">Hobby</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" placeholder="Hobby" name="hobby"
required="required">
    </div>
</div>
<div class="form-group">
    <label for="inputPassword3" class="col-sm-2">Phone</label>
    <div class="col-sm-10">
        <input type="number" class="form-control" placeholder="Phone" name="phone"
required="required">
    </div>
</div>
<div class="form-group">
    <label for="inputEmail3" class="col-sm-2">Address</label>
    <div class="col-sm-10">
        <textarea rows="8" class="form-control" placeholder="Address" name="address"> </textarea>
    </div>
</div>

<div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
        <hr>
        <button class="btn btn-success " >
            <span class="glyphicon glyphicon-user"></span> Save
        </button>
    </div>
</div>
</form>

</html>
```

Form_edit.php

CRUD / Update

First Name	Similiar
Last Name	Production
Hobby	Coding Style
Phone	0911
Address	Jakarta pusat

Update

```
<!DOCTYPE html>
<html>
<head>
<link href=<?php echo base_url() ?>bootstrap/css/bootstrap.min.css" rel="stylesheet" />
</head>

<body>
<div class="container">

<ul class="breadcrumb wellwhite">
<li>CRUD<span class="divider"></span></li>
<li>Update </li>
</ul>
<?php foreach($query->result() as $key) : ?>
<form class="form-horizontal" role="form" method="post" action=<?php echo base_url() ?>biodata/update">
<div class="form-group">
<label for="inputEmail3" class="col-sm-2 ">First Name</label>
<div class="col-sm-10">
<input type="hidden" class="form-control" value=<?php echo $key->id ?>" name="id" >
<input type="text" class="form-control" value=<?php echo $key->firstname ?>" name="firstname" >
</div>
</div>
<div class="form-group">
<label for="inputPassword3" class="col-sm-2">Last Name</label>
<div class="col-sm-10">
<input type="text" class="form-control" value=<?php echo $key->lastname ?>" name="lastname" >
</div>
</div>
<div class="form-group">
<label for="inputEmail3" class="col-sm-2">Hobby</label>
```

```
<div class="col-sm-10">
    <input type="text" class="form-control" value="<?php echo $key->hobby ?>" name="hobby">
</div>
</div>
<div class="form-group">
    <label for="inputPassword3" class="col-sm-2">Phone</label>
    <div class="col-sm-10">
        <input type="number" class="form-control" value="<?php echo $key->phone ?>" name="phone" >
    </div>
</div>
<div class="form-group">
    <label for="inputEmail3" class="col-sm-2 ">Address</label>
    <div class="col-sm-10">
        <textarea rows="8" class="form-control" name="address"><?php echo $key->address ?></textarea>
    </div>
</div>
<?php endforeach; ?>
<div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
        <hr>
        <button class="btn btn-success " >
            <span class="glyphicon glyphicon-user"></span> Update
        </button>
    </div>
</div>
</form>
</html>
```

SIMILAR PRODUCTION