

Short Note about Web Eng-4

- 1-Introduction to Controller : Use Reference (CodeIgniter User Manual) and Reference given to you
- 2- Introduction to View: Use Reference (CodeIgniter User Manual) and Reference given to you
- 3- Introduction to Model: Use Reference (CodeIgniter User Manual) and Reference given to you
- 4- Introduction to Helpers: Use Reference (CodeIgniter User Manual) and Reference given to you
- 5- Introduction to using Libraries : Use Reference (CodeIgniter User Manual) and Reference given to you
- 6- Introduction to [CodeIgniter URLs](#): Use Reference (CodeIgniter User Manual) and Reference given to you
- 7- Introduction to [Reserved Names](#): Use Reference (CodeIgniter User Manual) and Reference given to you
- 8-Introduction to PHP style guide Use Reference (CodeIgniter User Manual) and Reference given to you
- 9-Introduction to [Alternative PHP Syntax](#) Use Reference (CodeIgniter User Manual) and Reference given to you
- 10-Introduction to [Auto-loading Resources](#) Use Reference (CodeIgniter User Manual) and Reference given to you
- 11-Introduction to [Using CodeIgniter Drivers](#) Use Reference (CodeIgniter User Manual) and Reference given to you
- 12- Database Reference. Use Reference (CodeIgniter User Manual) and Reference given to you

A practical Guide

1-CodeIgniter installation and Configuration

CodeIgniter is installed in four steps:

1. Unzip the package that you have been downloaded from CodeIgniter website.
2. Upload the CodeIgniter folders and files to your server. (In case of our project upload to your local server named "localhost") if you using Wamp rename your unzipped project from Codeigniter 3.1.1 to CI and copy this folder. Open C drive/ Wamp / www and paste it
3. Open the CI/application/config/config.php file with a text editor and find
`$config['base_url'] = '';` and change it to
`$config['base_url']='http://localhost/CI/';`
4. Now open your browser and write this URL
<http://localhost/CI/>

you should see below welcome page

Welcome to CodeIgniter!

The page you are looking at is being generated dynamically by CodeIgniter.

If you would like to edit this page you'll find it located at:

```
application/views/welcome_message.php
```

The corresponding controller for this page is found at:

```
application/controllers/welcome.php
```

If you are exploring CodeIgniter for the very first time, you should start by reading the [User Guide](#).

Page rendered in 0.0215 s

If you have seen above (That is it you have been able to install and configure the CodeIgniter)

2- Anatomy of Controller: Now lets start with Hello Word

All you need to know the anatomy of Controller

2.1 We can create Controller very easily for more information about controller read the documentation: CodeIgniter user manual.f

Go to C/Wamp/CI/Application/ Controllers/ and Create a file Home.php, in that file you should have class and it can create like this

```
Class Home extends CI_Controller{
```

```
}
```

2.2 Now you need for a function to carry all user requests

The first function could be

```
Class Home extends CI_Controller{
    function index(){
        echo"Hello Code Igniter";
    }
}
```

Index is a function that not required explicit calling when you load your controller through URL your index function is loading.

//Now to load this function you should enter below URL

<http://localhost/CI/index.php/Home>

You should see in your browser

Hello Code Igniter

2.3 Now you may need for another function for example to print “My name is Ahmad” and you named this function print_name

```
Class Home extends CI_Controller{
    function index(){
        echo"Hello Code Igniter";
    }
    function print_name(){
        echo"My name is Ahmad";
    }
}
```

This function will print My name is Ahmad

How we can call this function?

Now to load this function you should enter below URL

http://localhost/CI/index.php/Home/print_name

you should see below in your browser

My name is Ahmad

2.4 Now you may need for another function for example to get name as parameter and print Like “My name is Ahmad” and you named this function print_name

```
Class Home extends CI_Controller{
    function index(){
        echo"Hello Code Igniter";
    }
    function print_name(){
        echo"My name is Ahmad";
    }
    function print_myname($name){
        echo"My name is: ".$name;
    }
}
```

This function will print **My name is:** and the name you can pass from your URL
How we can call this function so far ?

Now to load this function you should enter below URL (you need to construct a URL such as first segment controller name second segment function name and third segment the argument)

for Example as a parameter you need to pass as Ahmad

http://localhost/CI/index.php/Home/print_myname/Ahmad

you should see below in your browser

My name is: Ahamd

2.5 Now you may need for another function to load a view (More about view you can learn from User guide of CodeIgniter) such as welcome message of CodeIgniter in your browser.

You should create view and go to C:/Wamp/CI/Application/views/ and Create a file `some_view.php`, in that file all you need HTML and PHP codes you may learn in future tutorial more. For now we have a file `welcome_message.php` and we want to load it with our recently created function.

```
Class Home extends CI_Controller{  
function load_view(){  
$this->load->view('welcome_message');  
}  
}
```

if you now enter below URL

http://localhost/CI/index.php/Home/Load_view

you should see welcome page of codeigniter

Welcome to CodeIgniter!

The page you are looking at is being generated dynamically by CodeIgniter.

If you would like to edit this page you'll find it located at:

`application/views/welcome_message.php`

The corresponding controller for this page is found at:

`application/controllers/welcome.php`

If you are exploring CodeIgniter for the very first time, you should start by reading the [User Guide](#).

2.5 Now we may need for another function to send a dynamic data to a certain view (More about view you can learn from User guide of CodeIgniter).

In this example we are sending a title for a view and a text that may appear in the body. So we can send this text by an array called data. Indexes of this array contains the data that we can extract in the view.

Class Home extends CI_Controller{

```
function load_view(){  
    $this->load->view('welcome_message');
```

```
}
```

```
function dynamic_view(){  
    $data['title']='Dynamic View';  
    $data['body']= 'A view for Dynamic Contents!';  
    $this->load->view('some_view',$data);  
}  
}
```

NOW:

You should create view and go to C:/Wamp/CI/Application/views/ and Create a file by the name of some_view.php, in that file all you need is Html and php codes. You can write these codes in your view.

```
// some_view.php
```

```
<!DOCTYPE html>
```

```
<html>
```

```
    <head>
```

```
        <title>
```

```
            <?php echo $title?>
```

```
        </title>
```

```
    </head>
```

```
    <body>
```

```
        <p> <?php echo $body?></p>
```

```
    </body>
```

```
</html>
```

//NOW Got to your Browser and enter below URL

http://localhost/CI/index.php/home/dynamic_view

you should see as below in your browser

