

In our first series we have been configured and installed the CodeIgniter and introduced the controller and view, we also discussed loading view from controller and sending dynamic data. In this series I want to give in idea that how to take data from model, and loaded to a view.

3. to load get data we need fro a database, in this example we use a database “blog\_db” with one table called “posts”. This table has three attributes(id attribute that should declare as primiry key and auto increment, title, and body ).

3.1 To create a database open <http://localhost/phpMyadmin> and create a database with above specification and store some example data or you can use the database that is already given to you.

3.2 we need some configuration so we need,

3.2.1 go to C/wamp/www/CI/application/config directory and find a filed called **database.php** and edit below lines of code that is highlighted.

```
$active_group = 'default';
$query_builder = TRUE;

$db['default'] = array(
    'dsn' => '',
    'hostname' => 'localhost',
    'username' => 'root',
    'password' => '',
    'database' => 'blog_db',
    'dbdriver' => 'mysqli',
    'dbprefix' => '',
    'pconnect' => FALSE,
    'db_debug' => TRUE,
    'cache_on' => FALSE,
    'cachedir' => '',
    'char_set' => 'utf8',
    'dbcollat' => 'utf8_general_ci',
    'swap_pre' => '',
    'encrypt' => FALSE,
    'compress' => FALSE,
    'stricton' => FALSE,
    'failover' => array(),
    'save_queries' => TRUE
);
```

3.2.1 we need for other settings and go to C/wamp/www/CI/application/config find **autoload.php** open it than find below lines and edite as highlighted.

```
$autoload['libraries'] = array('database','session');
```

```
$autoload['helper'] = array('url','form','language','html');
```

3.3 now we want to read data from the database we created, we need for below steps to take.

3.3.1 First create a controller function to take data from model and send it to view

3.3.2 a model to connect to the database and get data from a table **posts** we created

### 3.3.3 we need for a model to show all posts

#### 3.3.1 lets start from controller: go to

"C:/wamp/www/CI/application/controllers/Home.php" in our Controller we created previously adding a function called "get\_posts()" this function will call get\_posts() function from Posts\_model model and load the contents in posts index of \$data array, after that it send this data to a view called something.php, below is the controller after edit.

<?php

```
class Home extends CI_Controller {

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

    function index(){

        echo "Hello CodeIgniter";
    }

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

    function get_posts(){
        $this->load->model('Posts_model');
        $data['posts']=$this->Posts_model->get_posts();
        $this->load->view('something',$data);
    }

}
```

3.3.2 now we need to create a Model so go to "C:/wamp/www/CI/application/models" directory and create a file called Posts\_model.php and create a model. More information about model read codeigniter user guide. Now open php tag and create a class than in this class create a function called get\_psts() in the body of this function get data from posts table of blog\_db database and return it for farther use.

<?php

```
class Posts_model extends CI_Model{

    function get_posts(){
        $posts = $this->db->get('posts');
        return $posts->result();
    }

}
```

3.3.3 now we need to create a view for displaying data that we get from database through our model. Go to "C:/wamp/www/CI/application/views" directory and create a file called something.php than write php and HTML code as below.

```
<!DOCTYPE html>
<html>
  <head>
    <title> All Posts</title>
  </head>
  <body>
    <?php
      foreach ($posts as $row) {

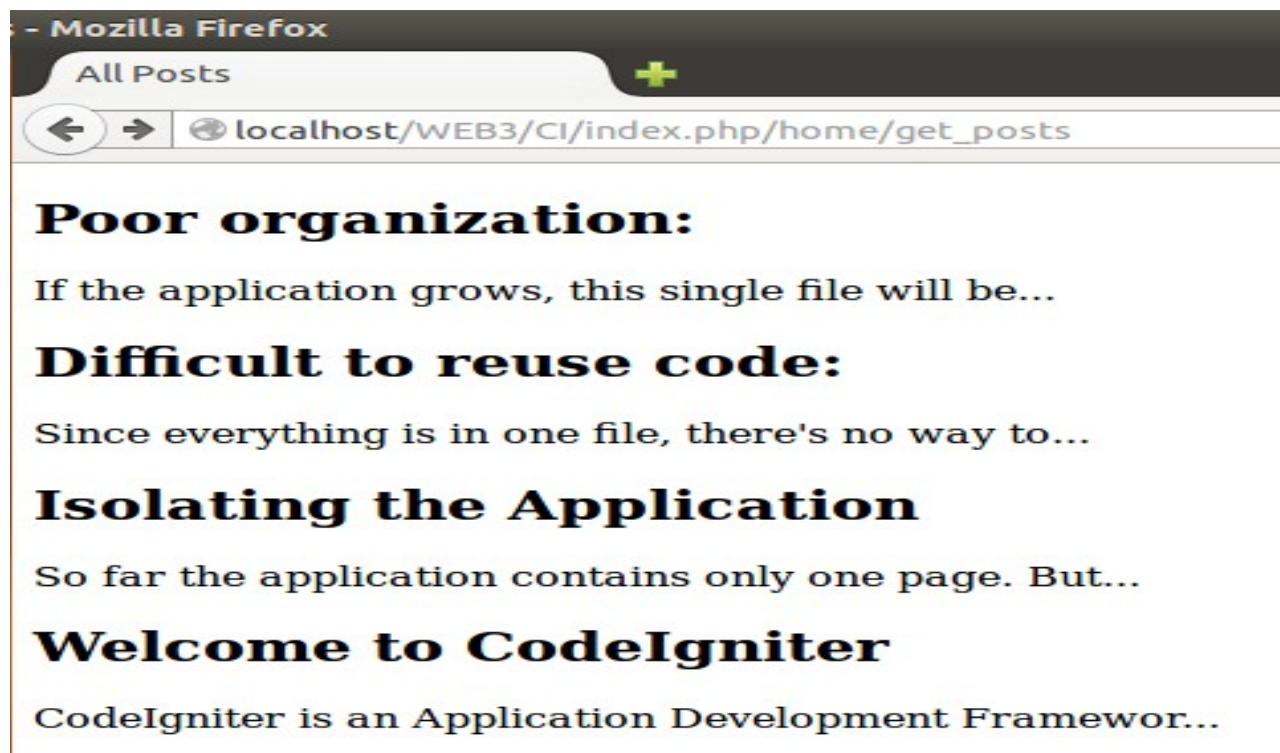
        echo"<h2>".$row->title."</h2>";
        echo "<p>".substr(strip_tags($row->body), 0,50)."..."."</p>";

      }
    ?>
  </body>
</html>
```

3.3.4 Open your browser and type below this URL

[http://localhost/CI/index.php/home/get\\_posts](http://localhost/CI/index.php/home/get_posts)

you will see below page in your browser



Note: as we see we can not see the details of a post so if we want to see all details of a particular post? What we can do?

3.4 now we start on how to show the details of a particular post.  
We need for these steps to take in order to show details of a post.

3.4.1 edit our view and create a button to load a specific function from our Home controller

3.4.2 create a function that may called by a button, load a function from the model and load a view called show\_d.php

3.4.3 create a function called show\_details in the Posts\_model to get data about a post and return it.

3.4.4 create a new view to to show the details of a post

3.4.1 we editing the view something.php view as below

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> All Posts</title>
```

```
</head>
```

```
<body>
```

```
<?php
```

```
foreach ($posts as $row) {
```

```
echo "<h2>".$row->title."</h2>";
```

```
echo "<p>".substr(strip_tags($row->body), 0,50)."..."."</p>";
```

```
echo anchor('Home/details/'.$row->id,"<button> show more</button> ");
```

```
}
```

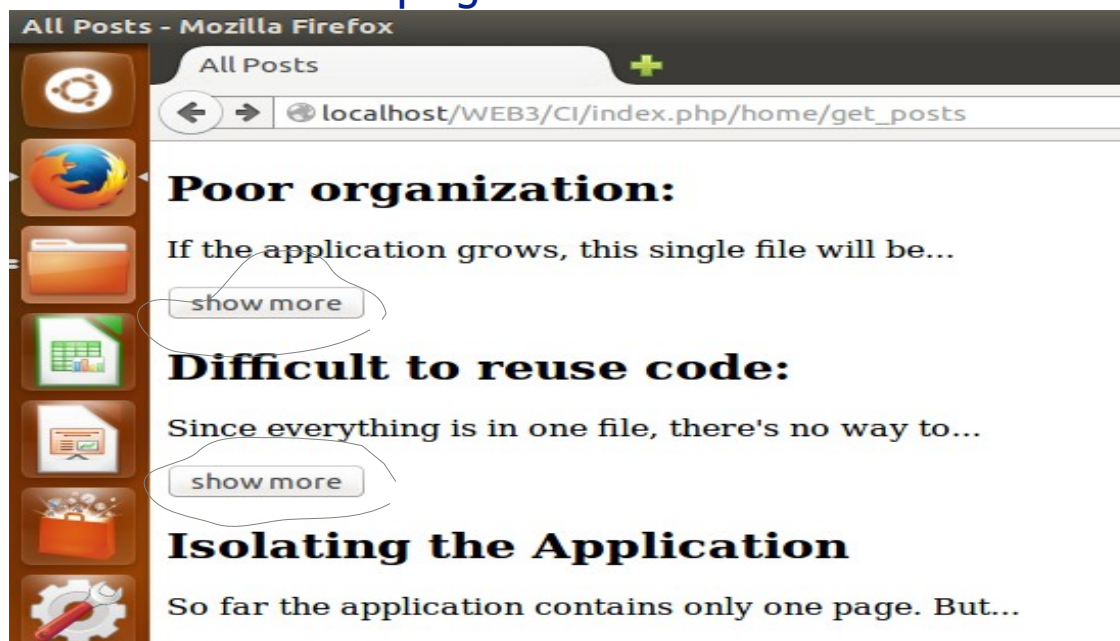
```
?>
```

```
</body>
```

```
</html>
```

3.4.1.1 if we load again the below URL

[http://localhost/CI/index.php/home/get\\_posts](http://localhost/CI/index.php/home/get_posts)  
we will see this page as below.



If we now click in the show more button we will call a function from our Home controller called details. For now we do not have this function so we need to create it and our new controller will look like below.

3.4.2. create new function named details in Home controller so go to "C:/wamp/www/CI/application/controllers/Home.php" and create a function as highlighted.

<?php

```
class Home extends CI_Controller {

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

    function index(){

        echo "Hello CodeIgniter";

    }

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

    }

    function get_posts(){
        $this->load->model('Posts_model');
        $data['posts']=$this->Posts_model->get_posts();
        $data['body']= array('name' =>'Ali' , 'lname' =>'madidi' );
        $this->load->view('something',$data);
    }

    function details($id){
        $this->load->model('Posts_model');
        $data['post']=$this->Posts_model->get_post($id);
        $this->load->view('show_d',$data);

    }

}
```

3.4.3 after that we need for a function in our model so go to "C:/wamp/www/CI/application/models/Posts\_model.php" and create a function called get\_post with an argument id that is passed from controller as highlighted.

<?php

```
class Posts_model extends CI_Model{

    function get_posts(){
        $posts = $this->db->get('posts');
        return $posts->result();
    }

    function get_post($x){
        $post = $this->db->select()->from('posts')->where('id',$x)->get();
        return $post->row();
    }

}
```

3.4.4 we now need for a view to show the details of a post there fore got "C:/wamp/www/CI/application/views" directory and create a new file show\_d.php as below.

```
<!DOCTYPE html>
<html>
  <head>
    <title> Post Details</title>
  </head>
  <body>
    <?php
      echo "<h2>".$post->title."</h2>";
      echo $post->body."</br>";
      echo anchor('Home/get_posts','<button> Back</button>');
    <?>
  </body>
</html>
```

3.4.5 if we now click on show more button near to second post we will see below page.

