* [Welcome to CodeIgniter](http://docs.google.com/welcome.html)
* [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Downloading CodeIgniter](http://docs.google.com/installation/downloads.html)
  + [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Upgrading From a Previous Version](http://docs.google.com/installation/upgrading.html)
  + [Troubleshooting](http://docs.google.com/installation/troubleshooting.html)
* [CodeIgniter Overview](http://docs.google.com/overview/index.html)
  + [Getting Started](http://docs.google.com/overview/getting_started.html)
  + [CodeIgniter at a Glance](http://docs.google.com/overview/at_a_glance.html)
  + [Supported Features](http://docs.google.com/overview/features.html)
  + [Application Flow Chart](http://docs.google.com/overview/appflow.html)
  + [Model-View-Controller](http://docs.google.com/overview/mvc.html)
  + [Architectural Goals](http://docs.google.com/overview/goals.html)
* [Tutorial](http://docs.google.com/tutorial/index.html)
  + [Static pages](http://docs.google.com/tutorial/static_pages.html)
  + [News section](http://docs.google.com/tutorial/news_section.html)
  + [Create news items](http://docs.google.com/tutorial/create_news_items.html)
  + [Conclusion](http://docs.google.com/tutorial/conclusion.html)
* [Contributing to CodeIgniter](http://docs.google.com/contributing/index.html)
  + [Writing CodeIgniter Documentation](http://docs.google.com/documentation/index.html)
  + [Developer’s Certificate of Origin 1.1](http://docs.google.com/DCO.html)
* [General Topics](http://docs.google.com/index.html)
  + [CodeIgniter URLs](http://docs.google.com/urls.html)
  + [Controllers](http://docs.google.com/controllers.html)
  + [Reserved Names](http://docs.google.com/reserved_names.html)
  + [Views](#gjdgxs)
  + [Models](http://docs.google.com/models.html)
  + [Helpers](http://docs.google.com/helpers.html)
  + [Using CodeIgniter Libraries](http://docs.google.com/libraries.html)
  + [Creating Libraries](http://docs.google.com/creating_libraries.html)
  + [Using CodeIgniter Drivers](http://docs.google.com/drivers.html)
  + [Creating Drivers](http://docs.google.com/creating_drivers.html)
  + [Creating Core System Classes](http://docs.google.com/core_classes.html)
  + [Creating Ancillary Classes](http://docs.google.com/ancillary_classes.html)
  + [Hooks - Extending the Framework Core](http://docs.google.com/hooks.html)
  + [Auto-loading Resources](http://docs.google.com/autoloader.html)
  + [Common Functions](http://docs.google.com/common_functions.html)
  + [Compatibility Functions](http://docs.google.com/compatibility_functions.html)
  + [URI Routing](http://docs.google.com/routing.html)
  + [Error Handling](http://docs.google.com/errors.html)
  + [Caching](http://docs.google.com/caching.html)
  + [Profiling Your Application](http://docs.google.com/profiling.html)
  + [Running via the CLI](http://docs.google.com/cli.html)
  + [Managing your Applications](http://docs.google.com/managing_apps.html)
  + [Handling Multiple Environments](http://docs.google.com/environments.html)
  + [Alternate PHP Syntax for View Files](http://docs.google.com/alternative_php.html)
  + [Security](http://docs.google.com/security.html)
  + [PHP Style Guide](http://docs.google.com/styleguide.html)
* [Libraries](http://docs.google.com/libraries/index.html)
  + [Benchmarking Class](http://docs.google.com/libraries/benchmark.html)
  + [Caching Driver](http://docs.google.com/libraries/caching.html)
  + [Calendaring Class](http://docs.google.com/libraries/calendar.html)
  + [Shopping Cart Class](http://docs.google.com/libraries/cart.html)
  + [Config Class](http://docs.google.com/libraries/config.html)
  + [Email Class](http://docs.google.com/libraries/email.html)
  + [Encrypt Class](http://docs.google.com/libraries/encrypt.html)
  + [Encryption Library](http://docs.google.com/libraries/encryption.html)
  + [File Uploading Class](http://docs.google.com/libraries/file_uploading.html)
  + [Form Validation](http://docs.google.com/libraries/form_validation.html)
  + [FTP Class](http://docs.google.com/libraries/ftp.html)
  + [Image Manipulation Class](http://docs.google.com/libraries/image_lib.html)
  + [Input Class](http://docs.google.com/libraries/input.html)
  + [Javascript Class](http://docs.google.com/libraries/javascript.html)
  + [Language Class](http://docs.google.com/libraries/language.html)
  + [Loader Class](http://docs.google.com/libraries/loader.html)
  + [Migrations Class](http://docs.google.com/libraries/migration.html)
  + [Output Class](http://docs.google.com/libraries/output.html)
  + [Pagination Class](http://docs.google.com/libraries/pagination.html)
  + [Template Parser Class](http://docs.google.com/libraries/parser.html)
  + [Security Class](http://docs.google.com/libraries/security.html)
  + [Session Library](http://docs.google.com/libraries/sessions.html)
  + [HTML Table Class](http://docs.google.com/libraries/table.html)
  + [Trackback Class](http://docs.google.com/libraries/trackback.html)
  + [Typography Class](http://docs.google.com/libraries/typography.html)
  + [Unit Testing Class](http://docs.google.com/libraries/unit_testing.html)
  + [URI Class](http://docs.google.com/libraries/uri.html)
  + [User Agent Class](http://docs.google.com/libraries/user_agent.html)
  + [XML-RPC and XML-RPC Server Classes](http://docs.google.com/libraries/xmlrpc.html)
  + [Zip Encoding Class](http://docs.google.com/libraries/zip.html)
* [Database Reference](http://docs.google.com/database/index.html)
  + [Quick Start: Usage Examples](http://docs.google.com/database/examples.html)
  + [Database Configuration](http://docs.google.com/database/configuration.html)
  + [Connecting to a Database](http://docs.google.com/database/connecting.html)
  + [Running Queries](http://docs.google.com/database/queries.html)
  + [Generating Query Results](http://docs.google.com/database/results.html)
  + [Query Helper Functions](http://docs.google.com/database/helpers.html)
  + [Query Builder Class](http://docs.google.com/database/query_builder.html)
  + [Transactions](http://docs.google.com/database/transactions.html)
  + [Getting MetaData](http://docs.google.com/database/metadata.html)
  + [Custom Function Calls](http://docs.google.com/database/call_function.html)
  + [Query Caching](http://docs.google.com/database/caching.html)
  + [Database Manipulation with Database Forge](http://docs.google.com/database/forge.html)
  + [Database Utilities Class](http://docs.google.com/database/utilities.html)
  + [Database Driver Reference](http://docs.google.com/database/db_driver_reference.html)
* [Helpers](http://docs.google.com/helpers/index.html)
  + [Array Helper](http://docs.google.com/helpers/array_helper.html)
  + [CAPTCHA Helper](http://docs.google.com/helpers/captcha_helper.html)
  + [Cookie Helper](http://docs.google.com/helpers/cookie_helper.html)
  + [Date Helper](http://docs.google.com/helpers/date_helper.html)
  + [Directory Helper](http://docs.google.com/helpers/directory_helper.html)
  + [Download Helper](http://docs.google.com/helpers/download_helper.html)
  + [Email Helper](http://docs.google.com/helpers/email_helper.html)
  + [File Helper](http://docs.google.com/helpers/file_helper.html)
  + [Form Helper](http://docs.google.com/helpers/form_helper.html)
  + [HTML Helper](http://docs.google.com/helpers/html_helper.html)
  + [Inflector Helper](http://docs.google.com/helpers/inflector_helper.html)
  + [Language Helper](http://docs.google.com/helpers/language_helper.html)
  + [Number Helper](http://docs.google.com/helpers/number_helper.html)
  + [Path Helper](http://docs.google.com/helpers/path_helper.html)
  + [Security Helper](http://docs.google.com/helpers/security_helper.html)
  + [Smiley Helper](http://docs.google.com/helpers/smiley_helper.html)
  + [String Helper](http://docs.google.com/helpers/string_helper.html)
  + [Text Helper](http://docs.google.com/helpers/text_helper.html)
  + [Typography Helper](http://docs.google.com/helpers/typography_helper.html)
  + [URL Helper](http://docs.google.com/helpers/url_helper.html)
  + [XML Helper](http://docs.google.com/helpers/xml_helper.html)

Toggle Table of Contents

[CodeIgniter](http://docs.google.com/index.html)

* [Welcome to CodeIgniter](http://docs.google.com/welcome.html)
* [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Downloading CodeIgniter](http://docs.google.com/installation/downloads.html)
  + [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Upgrading From a Previous Version](http://docs.google.com/installation/upgrading.html)
  + [Troubleshooting](http://docs.google.com/installation/troubleshooting.html)
* [CodeIgniter Overview](http://docs.google.com/overview/index.html)
  + [Getting Started](http://docs.google.com/overview/getting_started.html)
  + [CodeIgniter at a Glance](http://docs.google.com/overview/at_a_glance.html)
  + [Supported Features](http://docs.google.com/overview/features.html)
  + [Application Flow Chart](http://docs.google.com/overview/appflow.html)
  + [Model-View-Controller](http://docs.google.com/overview/mvc.html)
  + [Architectural Goals](http://docs.google.com/overview/goals.html)
* [Tutorial](http://docs.google.com/tutorial/index.html)
  + [Static pages](http://docs.google.com/tutorial/static_pages.html)
  + [News section](http://docs.google.com/tutorial/news_section.html)
  + [Create news items](http://docs.google.com/tutorial/create_news_items.html)
  + [Conclusion](http://docs.google.com/tutorial/conclusion.html)
* [Contributing to CodeIgniter](http://docs.google.com/contributing/index.html)
  + [Writing CodeIgniter Documentation](http://docs.google.com/documentation/index.html)
  + [Developer’s Certificate of Origin 1.1](http://docs.google.com/DCO.html)
* [General Topics](http://docs.google.com/index.html)
  + [CodeIgniter URLs](http://docs.google.com/urls.html)
  + [Controllers](http://docs.google.com/controllers.html)
  + [Reserved Names](http://docs.google.com/reserved_names.html)
  + [Views](#gjdgxs)
  + [Models](http://docs.google.com/models.html)
  + [Helpers](http://docs.google.com/helpers.html)
  + [Using CodeIgniter Libraries](http://docs.google.com/libraries.html)
  + [Creating Libraries](http://docs.google.com/creating_libraries.html)
  + [Using CodeIgniter Drivers](http://docs.google.com/drivers.html)
  + [Creating Drivers](http://docs.google.com/creating_drivers.html)
  + [Creating Core System Classes](http://docs.google.com/core_classes.html)
  + [Creating Ancillary Classes](http://docs.google.com/ancillary_classes.html)
  + [Hooks - Extending the Framework Core](http://docs.google.com/hooks.html)
  + [Auto-loading Resources](http://docs.google.com/autoloader.html)
  + [Common Functions](http://docs.google.com/common_functions.html)
  + [Compatibility Functions](http://docs.google.com/compatibility_functions.html)
  + [URI Routing](http://docs.google.com/routing.html)
  + [Error Handling](http://docs.google.com/errors.html)
  + [Caching](http://docs.google.com/caching.html)
  + [Profiling Your Application](http://docs.google.com/profiling.html)
  + [Running via the CLI](http://docs.google.com/cli.html)
  + [Managing your Applications](http://docs.google.com/managing_apps.html)
  + [Handling Multiple Environments](http://docs.google.com/environments.html)
  + [Alternate PHP Syntax for View Files](http://docs.google.com/alternative_php.html)
  + [Security](http://docs.google.com/security.html)
  + [PHP Style Guide](http://docs.google.com/styleguide.html)
* [Libraries](http://docs.google.com/libraries/index.html)
  + [Benchmarking Class](http://docs.google.com/libraries/benchmark.html)
  + [Caching Driver](http://docs.google.com/libraries/caching.html)
  + [Calendaring Class](http://docs.google.com/libraries/calendar.html)
  + [Shopping Cart Class](http://docs.google.com/libraries/cart.html)
  + [Config Class](http://docs.google.com/libraries/config.html)
  + [Email Class](http://docs.google.com/libraries/email.html)
  + [Encrypt Class](http://docs.google.com/libraries/encrypt.html)
  + [Encryption Library](http://docs.google.com/libraries/encryption.html)
  + [File Uploading Class](http://docs.google.com/libraries/file_uploading.html)
  + [Form Validation](http://docs.google.com/libraries/form_validation.html)
  + [FTP Class](http://docs.google.com/libraries/ftp.html)
  + [Image Manipulation Class](http://docs.google.com/libraries/image_lib.html)
  + [Input Class](http://docs.google.com/libraries/input.html)
  + [Javascript Class](http://docs.google.com/libraries/javascript.html)
  + [Language Class](http://docs.google.com/libraries/language.html)
  + [Loader Class](http://docs.google.com/libraries/loader.html)
  + [Migrations Class](http://docs.google.com/libraries/migration.html)
  + [Output Class](http://docs.google.com/libraries/output.html)
  + [Pagination Class](http://docs.google.com/libraries/pagination.html)
  + [Template Parser Class](http://docs.google.com/libraries/parser.html)
  + [Security Class](http://docs.google.com/libraries/security.html)
  + [Session Library](http://docs.google.com/libraries/sessions.html)
  + [HTML Table Class](http://docs.google.com/libraries/table.html)
  + [Trackback Class](http://docs.google.com/libraries/trackback.html)
  + [Typography Class](http://docs.google.com/libraries/typography.html)
  + [Unit Testing Class](http://docs.google.com/libraries/unit_testing.html)
  + [URI Class](http://docs.google.com/libraries/uri.html)
  + [User Agent Class](http://docs.google.com/libraries/user_agent.html)
  + [XML-RPC and XML-RPC Server Classes](http://docs.google.com/libraries/xmlrpc.html)
  + [Zip Encoding Class](http://docs.google.com/libraries/zip.html)
* [Database Reference](http://docs.google.com/database/index.html)
  + [Quick Start: Usage Examples](http://docs.google.com/database/examples.html)
  + [Database Configuration](http://docs.google.com/database/configuration.html)
  + [Connecting to a Database](http://docs.google.com/database/connecting.html)
  + [Running Queries](http://docs.google.com/database/queries.html)
  + [Generating Query Results](http://docs.google.com/database/results.html)
  + [Query Helper Functions](http://docs.google.com/database/helpers.html)
  + [Query Builder Class](http://docs.google.com/database/query_builder.html)
  + [Transactions](http://docs.google.com/database/transactions.html)
  + [Getting MetaData](http://docs.google.com/database/metadata.html)
  + [Custom Function Calls](http://docs.google.com/database/call_function.html)
  + [Query Caching](http://docs.google.com/database/caching.html)
  + [Database Manipulation with Database Forge](http://docs.google.com/database/forge.html)
  + [Database Utilities Class](http://docs.google.com/database/utilities.html)
  + [Database Driver Reference](http://docs.google.com/database/db_driver_reference.html)
* [Helpers](http://docs.google.com/helpers/index.html)
  + [Array Helper](http://docs.google.com/helpers/array_helper.html)
  + [CAPTCHA Helper](http://docs.google.com/helpers/captcha_helper.html)
  + [Cookie Helper](http://docs.google.com/helpers/cookie_helper.html)
  + [Date Helper](http://docs.google.com/helpers/date_helper.html)
  + [Directory Helper](http://docs.google.com/helpers/directory_helper.html)
  + [Download Helper](http://docs.google.com/helpers/download_helper.html)
  + [Email Helper](http://docs.google.com/helpers/email_helper.html)
  + [File Helper](http://docs.google.com/helpers/file_helper.html)
  + [Form Helper](http://docs.google.com/helpers/form_helper.html)
  + [HTML Helper](http://docs.google.com/helpers/html_helper.html)
  + [Inflector Helper](http://docs.google.com/helpers/inflector_helper.html)
  + [Language Helper](http://docs.google.com/helpers/language_helper.html)
  + [Number Helper](http://docs.google.com/helpers/number_helper.html)
  + [Path Helper](http://docs.google.com/helpers/path_helper.html)
  + [Security Helper](http://docs.google.com/helpers/security_helper.html)
  + [Smiley Helper](http://docs.google.com/helpers/smiley_helper.html)
  + [String Helper](http://docs.google.com/helpers/string_helper.html)
  + [Text Helper](http://docs.google.com/helpers/text_helper.html)
  + [Typography Helper](http://docs.google.com/helpers/typography_helper.html)
  + [URL Helper](http://docs.google.com/helpers/url_helper.html)
  + [XML Helper](http://docs.google.com/helpers/xml_helper.html)

[CodeIgniter](http://docs.google.com/index.html)

* [Docs](http://docs.google.com/index.html) »
* [General Topics](http://docs.google.com/index.html) »
* Views

classic layout

Views[**¶**](#30j0zll)

A view is simply a web page, or a page fragment, like a header, footer, sidebar, etc. In fact, views can flexibly be embedded within other views (within other views, etc., etc.) if you need this type of hierarchy.

Views are never called directly, they must be loaded by a [controller](http://docs.google.com/controllers.html). Remember that in an MVC framework, the Controller acts as the traffic cop, so it is responsible for fetching a particular view. If you have not read the [Controllers](http://docs.google.com/controllers.html) page you should do so before continuing.

Using the example controller you created in the [controller](http://docs.google.com/controllers.html) page, let’s add a view to it.

Creating a View[**¶**](#1fob9te)

Using your text editor, create a file called blogview.php, and put this in it:

<html>  
<head>  
 <title>My Blog</title>  
</head>  
<body>  
 <h1>Welcome to my Blog!</h1>  
</body>  
</html>

Then save the file in your *application/views/* directory.

Loading a View[**¶**](#3znysh7)

To load a particular view file you will use the following method:

$this->load->view('name');

Where name is the name of your view file.

Note

The .php file extension does not need to be specified unless you use something other than .php.

Now, open the controller file you made earlier called Blog.php, and replace the echo statement with the view loading method:

<?php  
class Blog extends CI\_Controller {  
  
 public function index()  
 {  
 $this->load->view('blogview');  
 }  
}

If you visit your site using the URL you did earlier you should see your new view. The URL was similar to this:

example.com/index.php/blog/

Loading multiple views[**¶**](#2et92p0)

CodeIgniter will intelligently handle multiple calls to $this->load->view() from within a controller. If more than one call happens they will be appended together. For example, you may wish to have a header view, a menu view, a content view, and a footer view. That might look something like this:

<?php  
  
class Page extends CI\_Controller {  
  
 public function index()  
 {  
 $data['page\_title'] = 'Your title';  
 $this->load->view('header');  
 $this->load->view('menu');  
 $this->load->view('content', $data);  
 $this->load->view('footer');  
 }  
  
}

In the example above, we are using “dynamically added data”, which you will see below.

Storing Views within Sub-directories[**¶**](#tyjcwt)

Your view files can also be stored within sub-directories if you prefer that type of organization. When doing so you will need to include the directory name loading the view. Example:

$this->load->view('directory\_name/file\_name');

Adding Dynamic Data to the View[**¶**](#3dy6vkm)

Data is passed from the controller to the view by way of an **array** or an **object** in the second parameter of the view loading method. Here is an example using an array:

$data = array(  
 'title' => 'My Title',  
 'heading' => 'My Heading',  
 'message' => 'My Message'  
);  
  
$this->load->view('blogview', $data);

And here’s an example using an object:

$data = new Someclass();  
$this->load->view('blogview', $data);

Note

If you use an object, the class variables will be turned into array elements.

Let’s try it with your controller file. Open it add this code:

<?php  
class Blog extends CI\_Controller {  
  
 public function index()  
 {  
 $data['title'] = "My Real Title";  
 $data['heading'] = "My Real Heading";  
  
 $this->load->view('blogview', $data);  
 }  
}

Now open your view file and change the text to variables that correspond to the array keys in your data:

<html>  
<head>  
 <title><?php echo $title;?></title>  
</head>  
<body>  
 <h1><?php echo $heading;?></h1>  
</body>  
</html>

Then load the page at the URL you’ve been using and you should see the variables replaced.

Creating Loops[**¶**](#1t3h5sf)

The data array you pass to your view files is not limited to simple variables. You can pass multi dimensional arrays, which can be looped to generate multiple rows. For example, if you pull data from your database it will typically be in the form of a multi-dimensional array.

Here’s a simple example. Add this to your controller:

<?php  
class Blog extends CI\_Controller {  
  
 public function index()  
 {  
 $data['todo\_list'] = array('Clean House', 'Call Mom', 'Run Errands');  
  
 $data['title'] = "My Real Title";  
 $data['heading'] = "My Real Heading";  
  
 $this->load->view('blogview', $data);  
 }  
}

Now open your view file and create a loop:

<html>  
<head>  
 <title><?php echo $title;?></title>  
</head>  
<body>  
 <h1><?php echo $heading;?></h1>  
  
 <h3>My Todo List</h3>  
  
 <ul>  
 <?php foreach ($todo\_list as $item):?>  
  
 <li><?php echo $item;?></li>  
  
 <?php endforeach;?>  
 </ul>  
  
</body>  
</html>

Note

You’ll notice that in the example above we are using PHP’s alternative syntax. If you are not familiar with it you can read about it [here](http://docs.google.com/alternative_php.html).

Returning views as data[**¶**](#4d34og8)

There is a third **optional** parameter lets you change the behavior of the method so that it returns data as a string rather than sending it to your browser. This can be useful if you want to process the data in some way. If you set the parameter to TRUE (boolean) it will return data. The default behavior is false, which sends it to your browser. Remember to assign it to a variable if you want the data returned:

$string = $this->load->view('myfile', '', TRUE);

[Next](http://docs.google.com/models.html)   [Previous](http://docs.google.com/reserved_names.html)

© Copyright 2014 - 2018, British Columbia Institute of Technology. Last updated on Jun 12, 2018.

Built with [Sphinx](http://sphinx-doc.org/) using a [theme](https://github.com/snide/sphinx_rtd_theme) provided by [Read the Docs](https://readthedocs.org).