

# CodeIgniter - Passing data from Controllers to Views

Topics : [Codeigniter](#)

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In CodeIgniter, passing data from controllers to views is a common task when you want to display dynamic content in your web application. Here's how you can pass data from controllers to views:

## 1. Loading Views with Data:

- After processing a request in a controller method, load the corresponding view using the `load->view()` method.
- Pass data to the view as an associative array as the second parameter of the `load->view()` method.

Example:

```
public function index() {  
    // Load model if needed  
    $this->load->model('example_model');  
    // Retrieve data from model or other sources  
    $data['user'] = $this->example_model->get_user_data($user_id);  
    $data['products'] = $this->example_model->get_products();  
    // Pass data to view  
    $this->load->view('example_view', $data);  
}
```

## 2. Accessing Data in Views:

- In the corresponding view file (`example_view.php`), you can access the passed data using PHP variables.
- Use PHP syntax to echo or manipulate the data within the HTML markup.

Example:

```
<!-- example_view.php -->  
<html>  
<head>  
    <title>Example View</title>  
</head>  
<body>
```

```
<h1>Welcome, <?php echo $user['username']; ?>!</h1>
<h2>Products</h2>
<ul>
  <?php foreach ($products as $product): ?>
    <li><?php echo $product['name']; ?> - $<?php echo $product['price'];
?></li>
  <?php endforeach; ?>
</ul>
</body>
</html>
```

### 3. Using Data in Views:

- Once the data is passed to the view, you can use it to dynamically generate HTML content.
- Use PHP control structures like `foreach`, `if`, and `else` to iterate through arrays and conditionally display content.

### 4. Best Practices:

- Avoid performing complex business logic or database queries directly in views. Use models for data retrieval and manipulation.
- Sanitize and validate data before passing it to views to prevent security vulnerabilities.
- Keep views clean and focused on presentation logic. Minimize PHP logic within views to improve readability and maintainability.

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