

Tutorial 3

Exercise 1

The following PHP code calculates someone's age from their date of birth (note in this example, the date of birth is hard-coded as 17-10-1985, and printed out using an echo statement).

```
$dateOfBirth = "17-10-1985";  
$today = date("Y-m-d");  
$diff = date_diff(date_create($dateOfBirth), date_create($today));  
echo 'Age is '.$diff->format('%y');
```

(From [CodexWorld](#))

Using and **adapting** this code, write a CodeIgniter application to ask someone for their date of birth and then tell them their age. You will need to adapt the code to use what the user types in on the form and to return the string containing the age to be displayed in a view. You will need:

- ▶ a controller
- ▶ two views (one page with a form to ask for their date of birth and one page to display the result)
- ▶ a model to do the calculation and return the result to the controller

If you would like to refresh your knowledge of HTML forms, try these pages:

W3Schools (good for input fields etc).

https://www.w3schools.com/html/html_forms.asp

Mozilla Developer Network:

https://developer.mozilla.org/en-US/docs/Learn/Forms/Your_first_form

For the action attribute of the form tag, use an absolute (fully specified) URL to your controller and method function.

Exercise 2

This web page <https://www.thoughtco.com/the-three-ages-of-dinosaurs-1091932> contains a table that lists geological periods (such as Jurassic etc.) and the dinosaurs that lived during them. For example, the Triassic period had Plesiosaurs.

Write a CodeIgniter application that uses URL segments to create links to pages that display information about particular geological periods using information from the table in the link above. Your application should create a page containing a series of links, each of which links back to the application, and which uses a URL segment to say which period should be displayed.

For example, the main page could have the URL

<http://youruserid.users.ecs.westminster.ac.uk/ciapp/index.php/Dinosaurs/periods>

and this page could have links in it such as:

<http://youruserid.users.ecs.westminster.ac.uk/ciapp/index.php/Dinosaurs/getinfo/Triassic>

<http://youruserid.users.ecs.westminster.ac.uk/ciapp/index.php/Dinosaurs/getinfo/Jurassic>

The `getinfo()` function in the Dinosaurs controller could then use a model to retrieve information about the particular period named in the URL segment. Use arrays to store the period information.