

Assignment Week 1 • Webdevelopment Basics

Installation requirements: Install Docker and Visual Studio code. A manual is provided in the modulebook – Appendix 7.

✍ Implement the following

Create the following webpages using the following example(s). Save every version as a different file so that we can review the changes between versions.

Your resources, text and images, are available via the ForStudents.zip on blackboard.

Assignment Bridges and Canals

Example 1 – Bridges and Canals

Tourist Information Amsterdam

Amsterdam, the Netherlands' capital, is one of the world's best hangout spots, a place where you can immerse yourself in culture, history, art, in the head of a beer or a self-rolled smoke.

Amsterdam is situated 20 km from the sea, at the point where river Amstel joins the river IJ. The city has a population of about 750,000 and is the country's second largest port - after Rotterdam. Amsterdam is at the centre of a part of the Netherlands where there are many places of interest within easy reach.

Amsterdam Museums



For a fairly small city, Amsterdam has a surprisingly large number of museums and galleries. Traditional art-lovers know the route to the Rijksmuseum and the Van Gogh Museum. But modern art too is richly represented in Amsterdam, with the Stedelijk Museum and the Cobra museum in Amstelveen to name just two. There is a plenty of galleries, especially in the Spiegelkwartier and in the Jordaan. And if you want to experience more of nature, then the gardens of the universities and Artis Zoo are the right addresses. In a nutshell, there are lot of things to see in Amsterdam.

Amsterdam Canals and Waterways



From the grace and elegance, the city's canals and waterways embody the very spirit of Amsterdam. They are spanned by many beautiful bridges, including the famous Magere Brug, a traditionally styled lift bridge. You can simply relax at a canalside café and watch an array of boats float by, or take a canal tour.

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Example 3 – Linking your pages

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[museums](#)

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[bridges](#)

Both the images and links will lead the user to a different page!!!

Example 4 – Museum Page, Bridge Page

Amsterdam Museums

[<< home](#)



Historisch Museum



Museum Tussaud



Rijksmuseum



Scheepvaart Museum



Stedelijk Museum



Van Gogh Museum

[<< home](#)

Amsterdam Bridges

[<< home](#)



Herengracht



Blauwbrug



Keizersgracht



Prinsengracht



Magere brug



Reguliersgracht

[<< home](#)

The above pages are linked from the homepage using the images and the links. The Home link leads back to the homepage (bridges and Canals).

✍ Implement the following

The following assignments are made using a combination of HTML and PHP. Make sure your Docker environment is running so that you're able to test the results of your hard work.

Assignment Van Winteren

Read the following text, copy it and replace parts of the text with variables. Be smart and efficient! Not everything needs to be a variable and other parts can be the output of two variables combined.

Use print or echo, variables and operators to complete this assignment.

Mr. Van Winteren, 33 years old, has been collecting special objects for the past 4 years. Van Winteren currently has 33 cars, 37 horses and 29 rare musical instruments. The rarest instrument in Van Winteren's possession is a 132-year-old guitar. His favorite horse is Bensley, the 8 year old stallion.

Make a copy of your code from the previous assignment and modify your answer so that it meets the following criteria:

- Numbers are bold
- Names are italicized
- Objects are underlined

Use HTML tags in your answer to achieve the results.

Assignment Hello Me!

The following assignments consist of different smaller tasks to perform. Take your time reading the task and performing it to the best of your capabilities.

Task 1: Create a new file. This file will act as your "Mainpage". The mainpage will contain links to all of your assignments. All links should be categorized under 1 of these 3 categories (headers): Weekly Assignments, Portfolio Assignments, Extra Assignments. **Keep this file updated on a weekly basis, adding new links to your assignments.**

Task 2: Observe the following code.

```
<!DOCTYPE HTML>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Find the mistakes</title>
  </head>
  <body>
    <?php
      /* Your name Today's date*/
      echo <h1>California Occuptional Guide</h2>";
      echo ("<h2>Locksmiths</h2>
      echo "<p>A locksmith installs, services, and repairs various types
of locks and ... .">
    </body>
  </html>
```

Make a copy of the code and fix all mistakes.

Task 3: You are provided with 3 sets of different numbers. Using the numbers of a single set, you have to get to the number **24**. This can be done in many different ways, try to use all **operators** that are at your disposal. Save your code, review it with the person next to you next time you are in class.

Set 1: 6 4 4 1

Set 2: 8 2 6 1

Set 3: 6 8 8 2

Task 4: A famous software developer interview question goes as follows. You have 2 variables, **\$left** contains the number 5 and **\$right** contains the number 7. **Without redeclaring the variables or using a function**, switch the values of **\$left** and **\$right**.