

Lesson 3 Exercises: Basic CSS

Instructional Objectives

By the end of this lesson, you should be able to:

- Use CSS to create styles for the html contents
- Understand the box-model and apply the model to create layout for the html contents

References:

https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS

Introduction to CSS Overview, How CSS Works, CSS Syntax, Simple selectors, CSS Values and units, Box model

PART 1

Notes:

For a complete reference of all the properties and values:

<https://www.w3schools.com/cssref/default.asp>

1 Download the file Practice2.html from the class Google Drive.(\\4_WebApp)



Change the style of the H1 element with the following properties/values:

(a)

- color : white
- border : yellow 4px solid
- background: black
- text-align: center

(b) Change the style of H2 elements with the following properties/values:

- font-size: 2 em
- font-family: Arial, sans-serif
- font-style: italic

Selectors can refer to

- an element type, example: `h1 { . . }`
- a specific element using its id attributes, example: `#special { ... }`
- its class, using its class attribute, example: `.products { ... }`

2 Modify the html and css

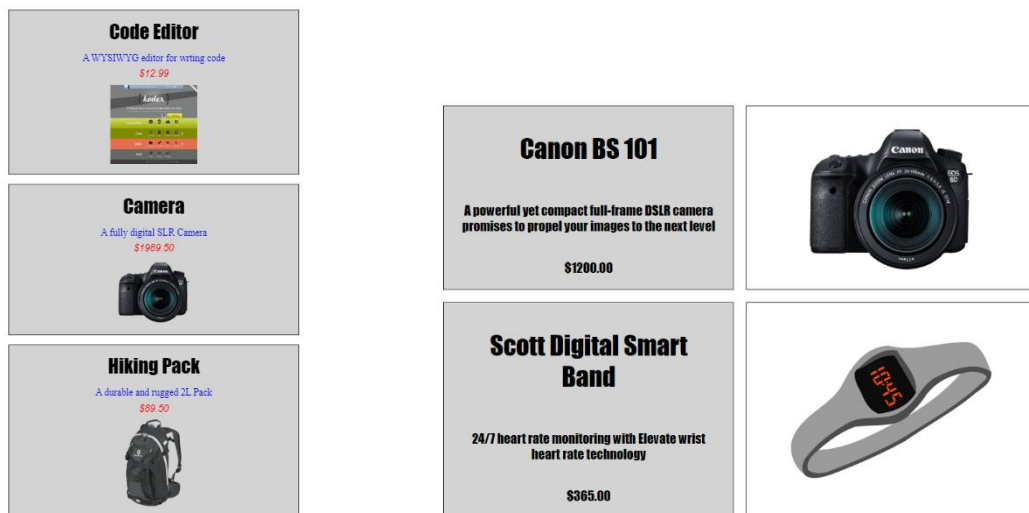
- (a) All the text under the heading Education, including the heading should be in red.
- (b) All the bullet points under the heading Skills, excluding the heading should be in green and with font size 8 px.
- (c) The text "Potato Junior College" is in italic and font family Courier New .

PART 2: Styling the Products html elements from the previous exercise

- 3 The key to an effective presentation on a web site is not to use any fancy graphics or visual effects but to have a good layout to provide **visual clarity** so that information can easily be communicated. These can be done by making use of the box model to set appropriate margins, border and paddings of the html elements.



Using the products.html document that you have created in the previous lab, we shall now style the 3 products in the html file. The end result should be similar to these:



Tips

- each product should contain 3 blocks of texts (product name, description and price) and 1 image.
- Create a container using div elements to contain the 3 blocks of texts and image
- Using properties like text-align, margin, border, width, color, font-size, font-family to stylised the html elements.
- User Interface Design Principle 1: Visual Hierarchy
 - Use color, font type and size, border, margins, paddings to emphasise or de-emphasise the contents that you wish to present to the user
- To display an image proportionally, you have to set its width size within the container.
- To centralised a box set the width of the box and the left and right margin to auto.