Highway 2 Code

# Advanced selectors

## 1 Download project

Download and unzip the project from Moodle. Study the html and css code. *Changes are made only in the css code.* At first write your own name as the comment in the css file.

Study the selector tutorials in W3schools site: CSS Combinators, CSS Attribute Selectors, CSS Selector Reference, CSS Pseudo-elements.

## 2 Format the table

~   all table cells (th, td) have 0.5em padding and text is centered

~   all heading cells (th) hava a background color #951EF1, the font color is white and minimum width is 2em

~   every other table *row* have different colors, even has #EFDDFD and odd has #C27EF7 (*:nth-child*, *even, odd*)

~   table cells with colspan="13" has #370F57 as a background color, font color is white and text is left aligned (*attribute and its value*)

~   table cells with colspan="2" the text is left aligned

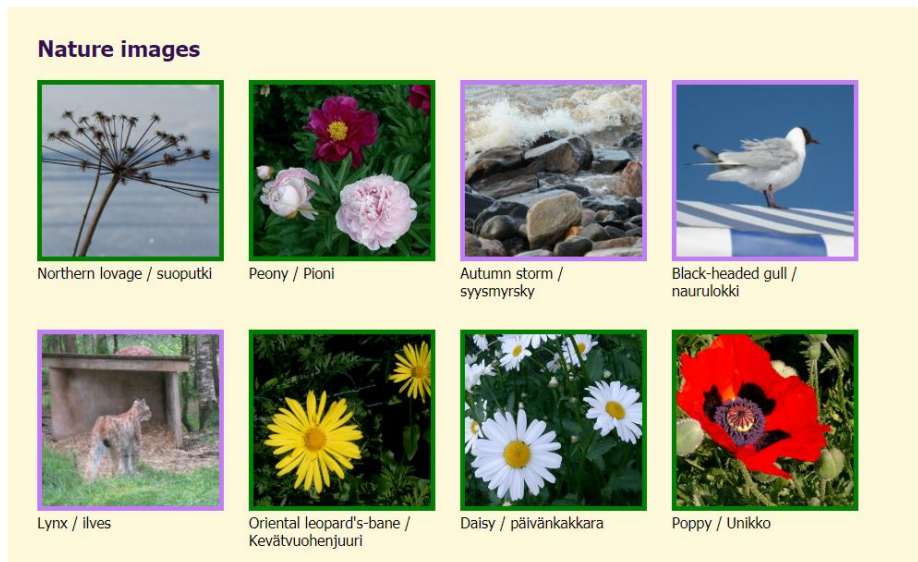~   in the second table cells (*td*) in a row (*:nth-child*) the text is left aligned

**Result**

| Study year | | 1S | 1K | 2S | 2K | 3S | 3K | 4S | 4K | 5S | 5K | op |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basic studies | | | | | | | | | | | | |
| IT00BN15 | Web-kehityksen perusteet | 15 | | | | | | | | | | 15 |
| IT00BN16 | Web-projekti | 15 | | | | | | | | | | 15 |
| IT00BN17 | Johdatus digitaalisiin palveluihin | | 15 | | | | | | | | | 15 |
| IT00BN18 | Verkkopalveluprojekti | | 15 | | | | | | | | | 15 |
| Professional studies | | | | | | | | | | | | |
| IT00BN26 | Digital products and services | | | 15 | | | | | | | | 15 |
| IT00BN27 | eBusiness Project | | | 15 | | | | | | | | 15 |
| IT00BN28 | Mobile Services | | | | 12 | | | | | | | 12 |
| IT00BN29 | Ammatillinen ruotsin kieli ja viestintä | | | | 3 | | | | | | | 3 |
| IT00BN30 | Mobile Project | | | | 15 | | | | | | | 15 |
| IT00BO60 | Peliala | | | | | 15 | | | | | | 15 |
| IT00BO62 | Tietojenkäsittelyn toimeksianto | | | | | | 15 | | | | | 15 |
| IT00BQ34 | Harjoittelu: yleisharjoittelu | | 5 | | 5 | | | | | | | 10 |
| IT00BQ36 | Harjoittelu: ammattiharjoittelu | | | | 5 | | 5 | 10 | | | | 20 |
| Thesis | | | | | | | | | | | | |
| IT00BO63 | Opinnäytetyö | | | | | | 10 | 5 | | | | 15 |

## 3 Format images

This task is similar the one you did with the index page in your site exercise. You should be able to define the following definitions based on the previous exercise. Note. Here the advices are for images but some of the definitions should be written to li elements, not to forget the ul padding and margin.

~   images should be next to each other in row (display and vertical-align)
~   the width is 12em, margin around 2em both right and below
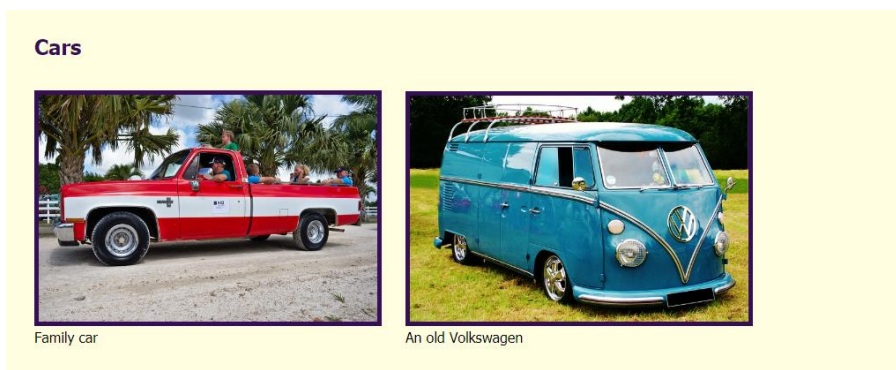~   images have #C27EF7 border around them, width 5px. Some screen may show 1px white edge between color and image.

Images having the word 'kukka' in the alt text should have a green border.



## 4 Car images in figure elements

Car images are in the figure elements. They should be placed in the same row, width 40%. Figure element has by default some margin on the left, remove it, set 2em margin to the right. Car images should have a border, 5px, color #370F57.

**Result**



## 5 Texts to a row

The texts in li elements should be in the same row. The arrows color is #370F57, they are bold and size is large. The texts (words) have a background color #C27EF7 and 5x padding around them.

**Result**

**A mans life**

A baby --> A child --> A teen --> An adult --> A middle-aged --> An old person

## 8 Image texts

See the html code. You will find some image texts to have class="overlay". Next you will define those image texts to be visible when mouse is over the image. You will also learn defining colors as rgb function (red-green-blue) and rgba function (a = alpha channel). With alpha channel you define opacity.

In this exercise there is some position things as well.

Define in the style sheet file

```css
.overlay {
    position: absolute;
    bottom: 0;
    /* background color is black color, 50% opacity */
    background: rgba(0, 0, 0, 0.5);
    transition: .5s ease;
    /* overlay element is not visible */
    opacity:0;
    /* element width */
    width: 100%;

    /* element text color and alignment */
    color: white;
    text-align: center;
}
```
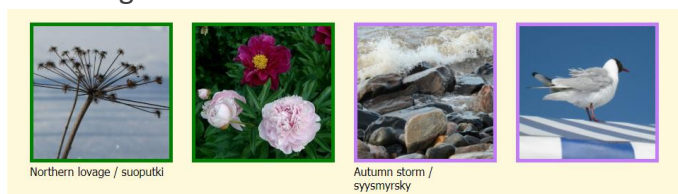
The images are not very well aligned



Northern lovage / suoputki     Autumn storm / syysmyrsky

Both *figure* and *.nature li* definitions should have

```css
position: relative;
vertical-align: top;
```

Now images should be



Northern lovage / suoputki     Autumn storm / syysmyrsky

Write the following definition to get class=overlay elements visible (opacity=1) when mouse is over the image (hover)

```css
figure:hover .overlay,
.nature li:hover .overlay
{
    opacity: 1;
}
```

Now you should see the image text with mouse but the text is not in the right place. It is over the border of the image. Also the text would be easier to read if there is some empty space top and bottom of the text.

Write in the .overlay definition. Margin is the width of the image border.

```
margin-left: 5px;
margin-bottom: 5px;
padding-top: 10px;
padding-bottom: 10px;
```

Image text



## 7 Sections

There are sections in the page. They should have a background colors #FDDC22 (even) and #FEEC86 (odd).

**Result**