



Napredne veb tehnologije

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Definisanje stila

➤ `<tr align="center" valign="middle"> </tr>`

ili

➤ `<tr style="align:center; valign:middle;">`

`</tr>` ili

➤ `<head>`

`<style type="text/css">`

`td { text-align: center; vertical-align: middle;}`

`</style>`

`</head>`

`<body>...`

`<tr> </tr>`

Definisanje stila

- **Atribut** određenog tag-a – stil važi samo u konkretnom tag-u

<tag style=„atribut:vrednost;“>

- **Interni stilovi** – stilovi su navedeni u <head> zaglavlju u tag-u <style> u formi CSS koda. Samo dati fajl ima pristup.

<style>selektor {atribut:vrednost;} </style>

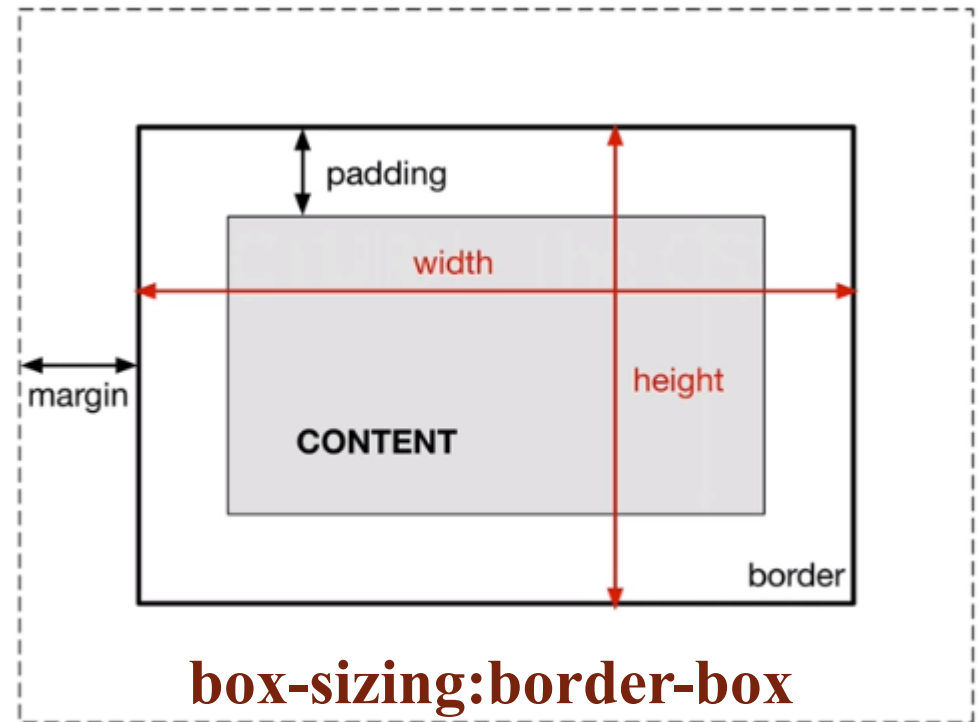
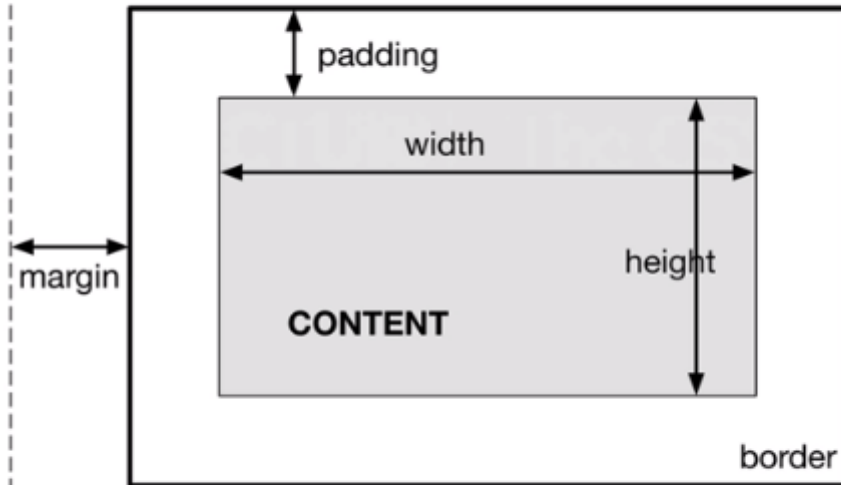
- **Eksterni stilovi** - .css fajl sa stilovima

<link rel="stylesheet" type="text/css" ref=„stil.css“>

Svojstva

- Pozadina: **background-**(color, image, repeat, attachment, position)
- Okvir: **border-**(color, width, style, bottom, left, right, top)
- Font: **font-**(style, size, familij, variant, weight)
- Tekst: **text-**(align, decoration, transform, indent)
- Boja slova: **color**

BOX model



box-sizing: border-box

Selektori

- **Element selektori** - ovo su najjednostavniji selektori i definišu se nazivom HTML elementa koji targetiraju: p, h1, a, div,...
- **Selektori klasa**: class=„ime_klase „ - Selektor koji targetira klasu se obeležava znakom **.** (**tačka**) ispred imena klase.
- **ID selektori**: id=„ime_id „ - Selektor koji targetira element sa određenim ID-om se obeležava **znakom #** ispred ID-a.

Vežba 1

Lorem ipsum

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Why do we use it? It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Where does it come from? Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested. Sections 1.10.32 and 1.10.33 from "de Finibus Bonorum et Malorum" by Cicero are also reproduced in their exact original form, accompanied by English versions from the 1914 translation by H. Rackham.

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Pseudo klase - dinamičke

- **Pseudo klasa stanja** je način selekcije dela HTML dokumenta koji uključuje i dinamičko stanje elementa.
- Sintaksa pseudo klase - naziv pseudo klase se "*lepi*" za drugi selektor **selektor:pseudo-klasa**.
- **:visited** - ova pseudo klasa selektuje linkove koji su već **posećeni**.
- **:link** - selektuje linkove koji **nisu posećeni**.
- **:hover** - selektuje bilo koji elemenat **iznad koga se nalazi pokazivač**.
- **:active**- selektuje **aktivni** link.
- Redosled visited/link -->hover -->active

Vežba 2

```
<body>
  <div>
    <p>
      U uvom divu se pojavljuje
      hover efekat
    </p>
  </div>
  <a
    href="http://www.vps.ns.ac.rs">Pos
    etite sajt skole</a>
</body>
```

U uvom divu se pojavljuje hover efekat

Posetite sajt skole

U UVOM DIVU SE POJAVLJUJE HOVER EFEKAT

Posetite sajt skole

Posetite sajt skole

Primer

Stilizovanje različitih stanja veza



Link

Veza je u stanju kada putanja nije posećena.




Link

Veza je u stanju kada je putanja posećena.



Link

Veza je u stanju kada mišem pređe preko.



Link

Veza je u stanju kada je link aktivan.

Pseudoklase

- ▶ **:focus, :enabled, :disabled** – odnosi se na input elemente forme, selektuje redom elemente koji su u fokusu, omogućene ili onemogućene.
- ▶ **:empty** – selektuje sve <p> elemente koji nemaju decu
- ▶ Pseudoklasa **:target** se može iskoristiti za stilizovanje elemenata ka kojima postoji aktivna unutrašnja veza u dokumentu.

Vežba 3

```
<!DOCTYPE html>
<html>
<head>
  <title>Pseudoklase</title>
<style>
  h2:target {
    background-color: #00ffbf;
    width: 80px;
  }
</style>
</head>
<body>
  <h1>Stilizovanje aktivnih unutrašnjih veza</h1>
  <a href="#1">Link1</a>
  <a href="#2">Link2</a>
  <a href="#3">Link3</a>
  <h2 id="1">LINK1</h2>
  <p>Ovo je deo koji se prikazuje kada se gore klikne na LINK1</p>
  <h2 id="2">LINK2</h2>
  <p>Ovo je deo koji se prikazuje kada se gore klikne na LINK2</p>
  <h2 id="3">LINK3</h2>
  <p>Ovo je deo koji se prikazuje kada se gore klikne na LINK3</p>
</body>
</html>
```

Stilizovanje aktivnih unutrašnjih veza

[Link1](#) [Link2](#) [Link3](#)

LINK1

Ovo je deo koji se prikazuje kada se gore klikne na LINK1

LINK2

Ovo je deo koji se prikazuje kada se gore klikne na LINK2

LINK3

Ovo je deo koji se prikazuje kada se gore klikne na LINK3

Pseudoklase – pozicione

- **:first-child** - selektuje prvi elemenat unutar nadređenog elementa tj. bira bilo koji tip elementa koji je prvo dete unutar roditeljskog elementa.

```
li:first-child{color:red;}
```

- List 1
- List 2
- List 3

- **:last-child** - selektuje poslednje dete u roditeljskom elementu.
- **:nth-child(n)** - selektuje svako n-to dete roditeljskog elementa -

<https://codepen.io/chos/pen/obEmvj>

Vežba 4

- Jedan
- Dva
- Tri
- Četiri

Selektuje svaki element koji je prvo dete svoga roditelja

- Jedan
- Dva
- Tri
- Četiri

1. Pet
2. Šest
3. Sedam
4. Osam

Selektuje svaki element koji je prvo dete svoga roditelja

- Jedan
- Dva
- Tri
- Četiri

1. Pet
2. Šest
3. Sedam
4. Osam

Selektuje drugo dete roditeljskog elementa (druga lista u okviru div elementa) i unutar nje treće dete.

- Jedan
- Dva
- Tri
- Četiri

1. Pet
2. Šest
3. Sedam
4. Osam

- Devet
- Deset
- Jedanaest
- Dvanaest

Selektuje svaki neparan element u okviru div elementa koji je roditelj (prva i treća lista) i unutar njih prva tri deteta.

Jedan
Dva
Tri
Četiri

Selektuje svaki element koji je prvo dete svoga roditelja

Jedan
Dva
Tri
Četiri

Pet
Šest
Sedam
Osam

Selektuje svaki element koji je prvo dete svoga roditelja

Jedan
Dva
Tri
Četiri

Pet
Šest
Sedam
Osam

Selektuje drugo dete roditeljskog elementa (druga lista u okviru div elementa) i unutar nje treće dete.

Jedan
Dva
Tri
Četiri

Pet
Šest
Sedam
Osam

Devet
Deset
Jedanaest
Dvanaest

Selektuje svaki neparan element u okviru div elementa koji je roditelj (prva i treća lista) i unutar njih prva tri deteta.

Pseudo elementi

- Pseudo element se koristi za stilizovanje specifičnih delova elementa.

```
selector::pseudo-element {property:value;}
```

```
1. p::first-line { color: #ff0000;  
font-variant: small-caps;}
```

```
2. p::first-letter {color: #ff0000;  
font-size: xx-large; }
```

Kombinatori

► **Selektor selektora** (koristi *space*) –

div p { background-color: yellow;} – selektuje sve p elemente unutar div elemenata

► **Selektor dete** (roditelj > dete) –

div >p { background-color: yellow;} – selektuje sve p elemente koja su neposredni potomak div elementa

https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_element_element

https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_element_gt

Kombinatori

- **Susedni selektor** (koristi znak +) – elementi *moraju imati istog roditelja* a slede odmah jedan za drugim

div + p { background-color: yellow;}

https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_element_pluss

- **Opšti susedni selektor** (koristi znak ~) –

div ~ p { background-color: yellow;} – opšti selektor koji selektuje sve p tagove koji su rođaci div taga.

https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_element_tilde

SELEKTOR	PRIMER	OBJAŠNENJE
Ime elementa	p	Primeniće stil nad svim paragrafima.
Identifikator	#moj-id	Primeniće stil nad svim elementima koji imaju postavljen generiški atribut id na vrednost "moj-id".
Klasa	.moja-klasa	Primeniće stil nad svim elementima koji imaju postavljen generiški atribut class na vrednost "moja-klasa".
Ugnježdavanje	h1 p	Primeniće stil nad svim paragrafima koji se nalaze kao potomci svih naslova h1.
Kompozicija	div h1.naslov span	Primeniće stil nad svim linijskim tekstovima koji se nalaze kao potomci svih naslova h1 sa atributom class="naslov" koji se nalaze kao potomci svih elemenata div.
Grupisanje	div, p	Primeniće stil nad svim elementima div kao i na svim paragrafima.

Selektori definisani sa atributom elementa

- Selektor koji se odnosi na neki element sa atributom obeležava se [] **uglastim zagradama**.

1. a[href]{ font-size: 1.5em; } - Selektor se odnosi se na sve **a** elemente koji sadrže atribut *"href"*.

2. a[href*="str"]{ color: green; } - selektuje se element koji ima atribut **href** i vrednost tog atributa mora da sadrži **znakovni niz** *"str"*.

Selektori definisani sa atributom elementa

- 3. `a[rel~="prati"]{color: black;}`** - Selektor se odnosi se na sve **a** elemente koji mora da sadrži **željenu reč** u okviru vrednosti atributa.
- 4. `[attribute$=value]`** - selektor odabira element čiji atribut **se završava sa određenim znakovnim nizom.**
- 5. `[attribute^=value]`** - selektor odabira element čiji atribut **počinje sa određenim znakovnim nizom.**

Primer sa ikonama:

<https://codepen.io/chos/pen/XXVrWb>

Vežba 5

Ingredients for my recipe: *Poulet basquaise*

- Tomatoes
- Onions
- Garlic
- Red pepper
- Chicken
- Bacon bits
- Olive oil
- White wine

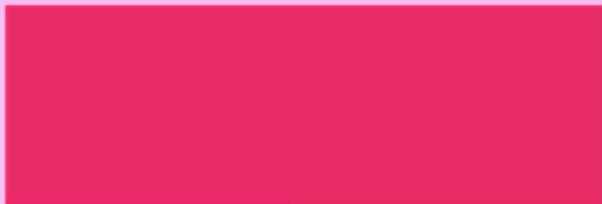
Ingredients for my recipe: *Poulet basquaise*

- **Tomatoes**
- Onions
- Garlic
- **Red pepper**
- **Chicken**
- Bacon bits
- Olive oil
- White wine

Pozicioniranje

```
<!DOCTYPE html>
<html>
<head>
  <title>Pozicioniranje</title>
  <meta charset="UTF-8">
  <style>
    div {
      height: 100px;
      width: 300px;
    }
    #prvi {
      background-color: rgb(231, 43, 103);
    }
    #drugi {
      background-color: rgb(24, 243, 232);
    }
    #treći {
      background-color: rgb(180, 55, 252);
    }
  </style>
</head>
<body>
  <div id="prvi"></div>
  <div id="drugi"></div>
  <div id="treći"></div>
</body>
```

Pozicioniranje. Apsolutno i relativno



Primeni
relativno
pozicioniranje!

Primeni
apsolutno
pozicioniranje!