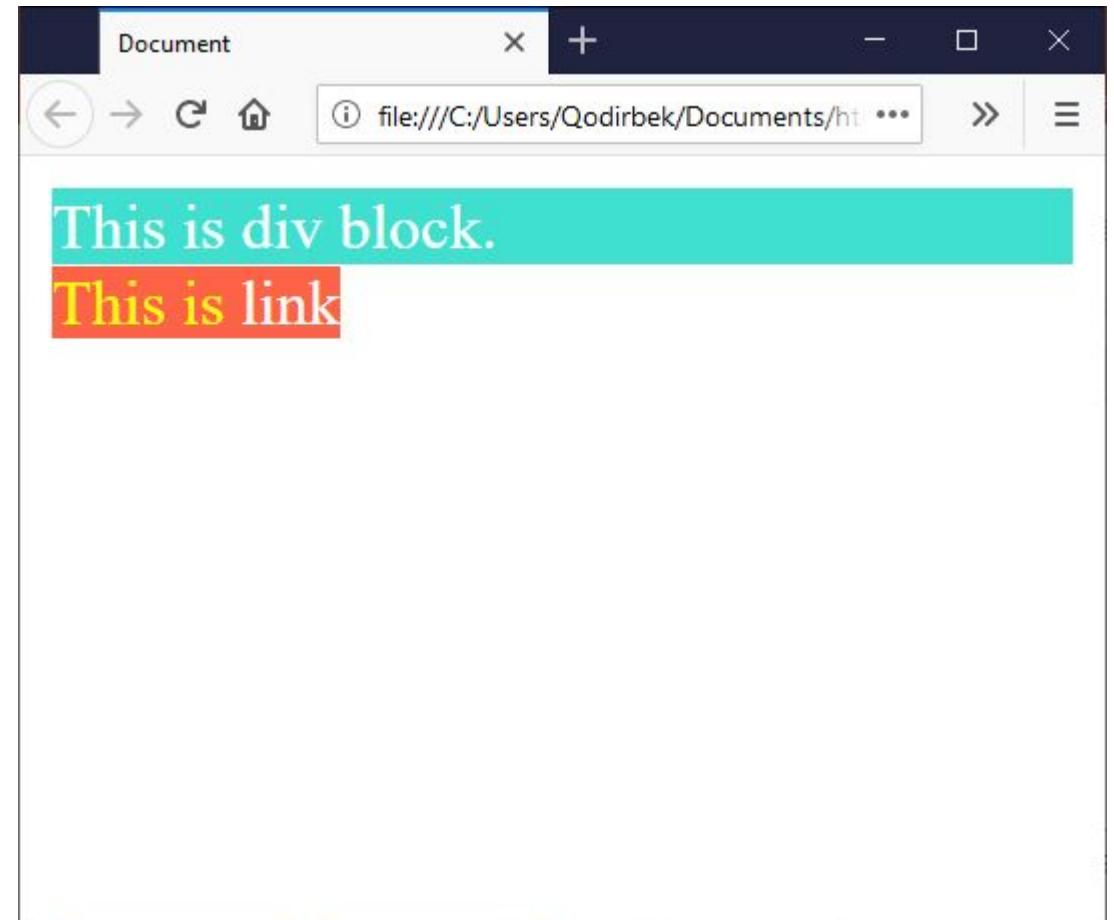


CSS

Selektorlarni birgalikda ishlatisch

```
a {  
    font-size:16px;  
    text-decoration: dashed;  
}  
.qizil-fon {  
    background-color: tomato;  
}  
.yashil-fon {  
    background-color: turquoise;  
}  
.sariq-matn {  
    color: yellow;  
}  
.oq-matn {  
    color: white;  
}  
...  
<div class="yashil-fon oq-matn">This is div block.</div>  
<a href="#" class="qizil-fon sariq-matn">This is      <span  
class="oq-matn">link</span></a>
```



Selektorlar

Ishlatilishi bo'yicha selektorlarning quyidagi ko'rinishlari mavjud:

- Kombinatorlar
- Atribut selektorlari
- Psevdosinflar
- Psevdoelementlar

Kombinatorlar

- Guruhlash (grouping selector (,))
- Avlod selektorlar (descendant selector (space))
- Farzand selektorlar (child selector (>))
- Qo'shni selektorlar (adjacent sibling selector (+))
- Keyingi selektorlar (general sibling selector (~))

Selektorlarni guruhash

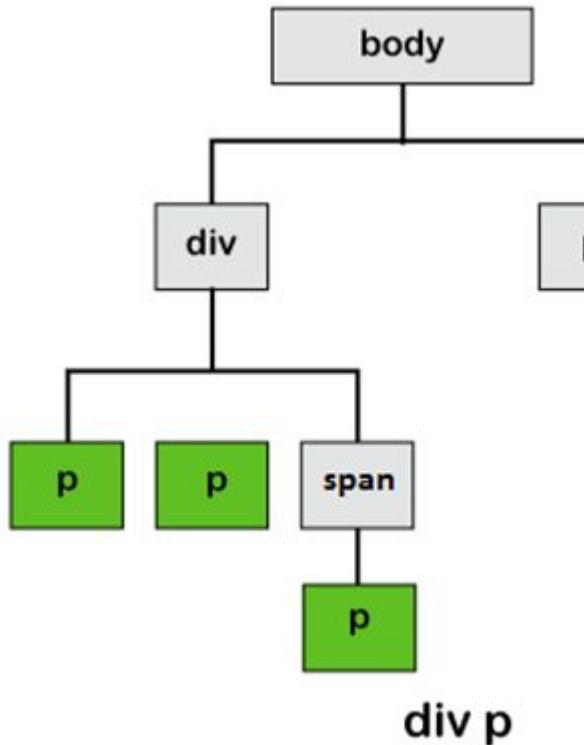
```
div {  
    color: tomato;  
}  
  
p {  
    color: tomato;  
}  
  
h2 {  
    color: tomato;  
}  
  
h3 {  
    color: tomato;  
}
```



```
div, p, h1, h2 {  
    color: tomato;  
}
```

Avlod selektorlar

```
element element {  
    /* stil xossalari */  
}
```



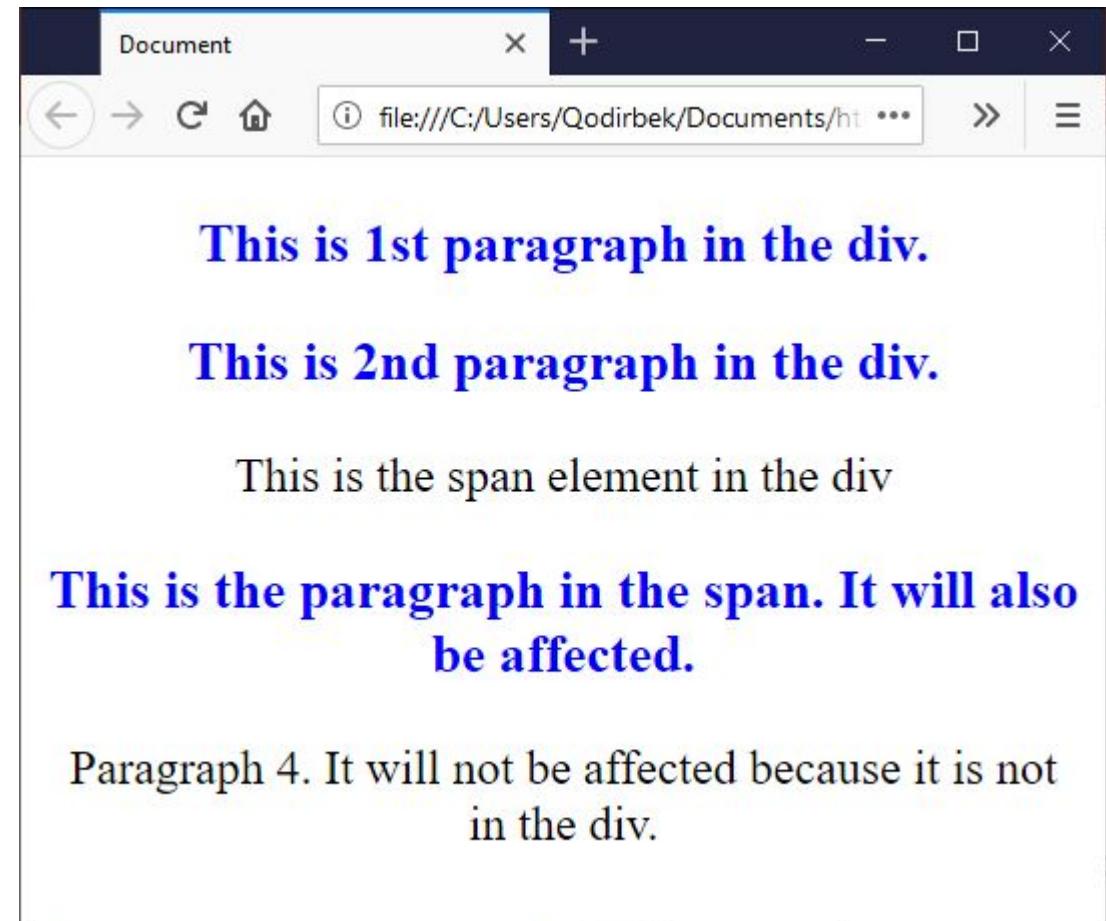
Avlod selektorlar

```
body{  
    text-align: center;  
}  
  
div p{  
    color: blue;  
    font-size:18px;  
    font-weight: bold;  
    text-align: center;  
}  
  
...  


<p> This is 1st paragraph in the div. </p>  
    <p> This is 2nd paragraph in the div. </p>  
    <span>  
        This is the span element in the div  
        <p> This is the paragraph in the span.  
            It will also be affected. </p>  
    </span>  
</div>  

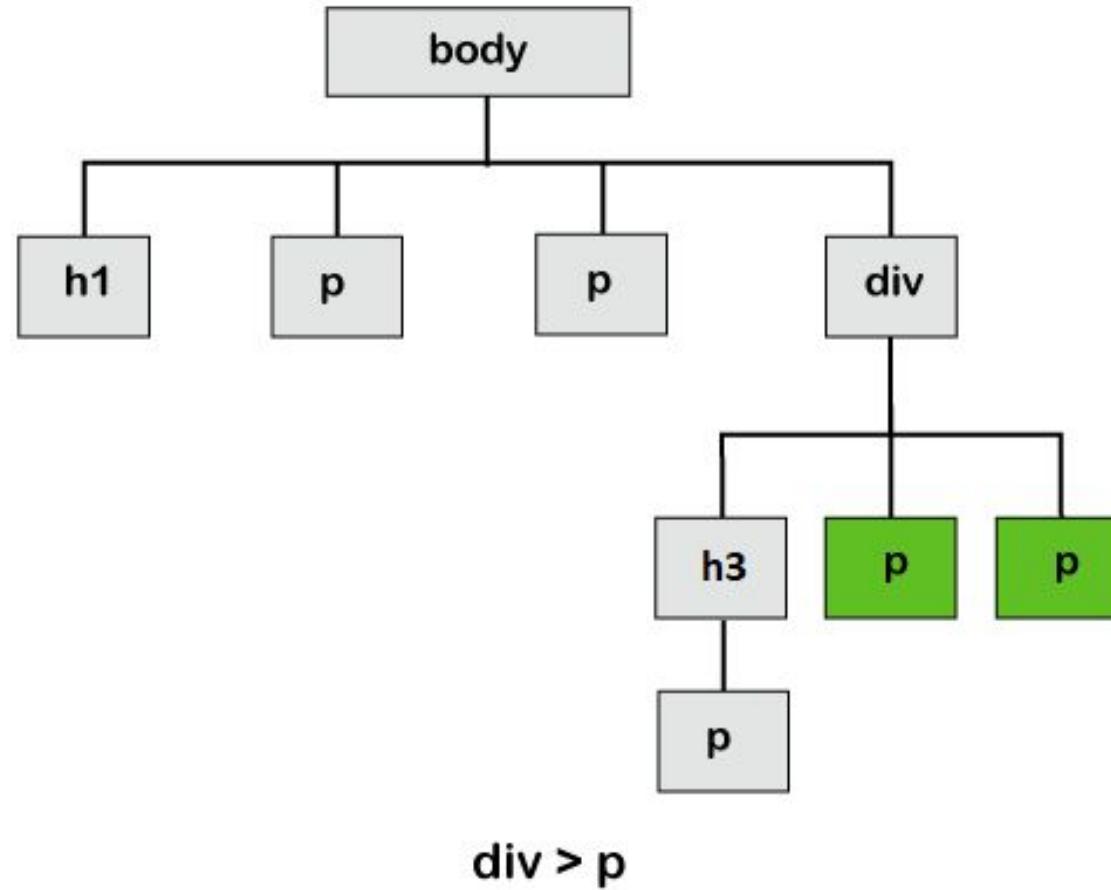

Paragraph 4. It will not be affected because it is not in the div. </p>


```



Farzand selektorlar

```
element > element {  
    /* stil xossalari */  
}
```



Farzand selektorlar

```
body {  
    font-size: 14px;  
    text-align: center;  
}  
  
div > p {  
    color: blue;  
    font-size: 18px;  
    font-weight: bold;  
    text-align: center;  
}  
  
...  


# Child selector (>) property



It is the first paragraph



It is the second paragraph



This is third paragraph in h3 element



This is the fourth paragraph which is the child of div element

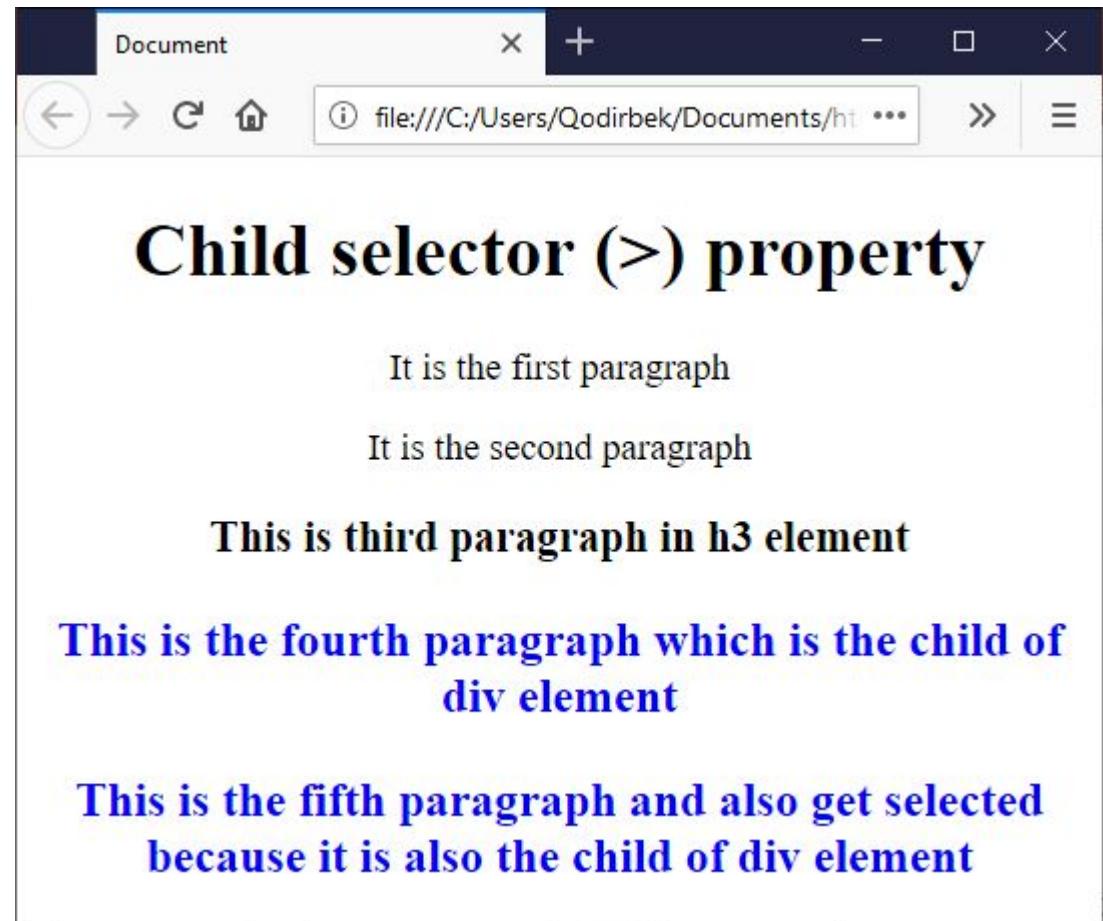


This is the fifth paragraph and also get selected because it is also the child of div element



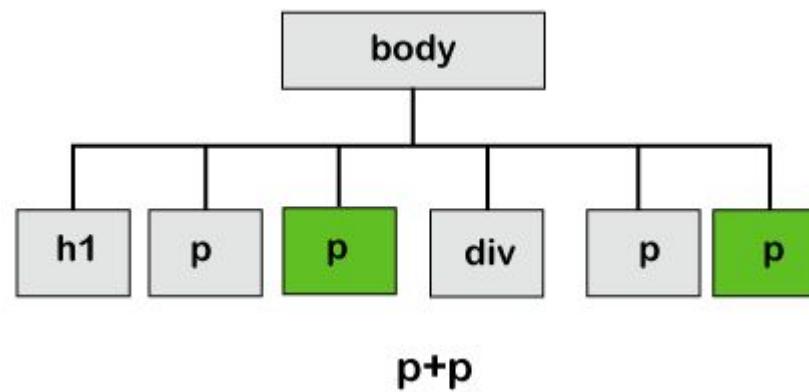
```
<h1> Child selector (>) property</h1>
<p> It is the first paragraph </p>
<p> It is the second paragraph </p>
<div>
 <h3><p>This is third paragraph in h3 element</p></h3>
 <p> This is the fourth paragraph which is the child of div element </p>
 <p> This is the fifth paragraph and also get selected because it is also the child of div element </p>
</div>
```


```



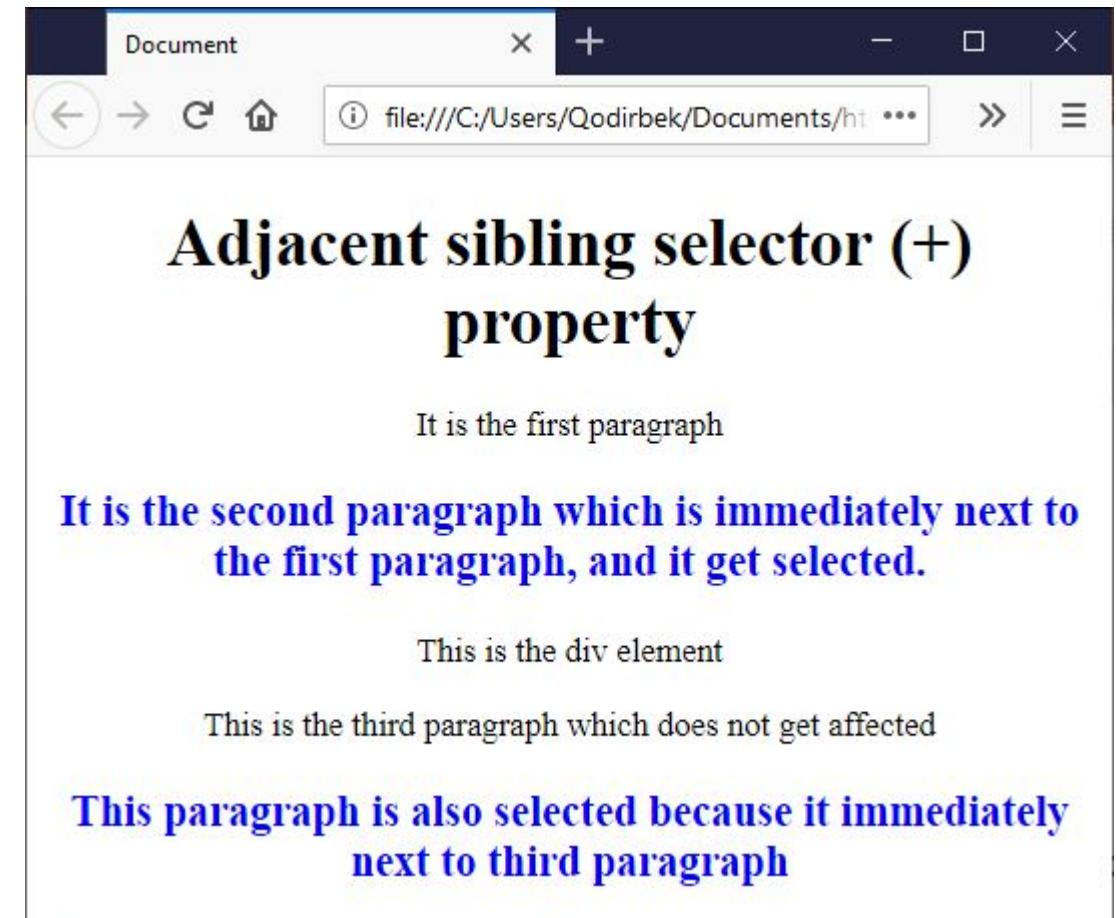
Qo'shni selektorlar

```
element + element {  
    /* stil xossalari */  
}
```



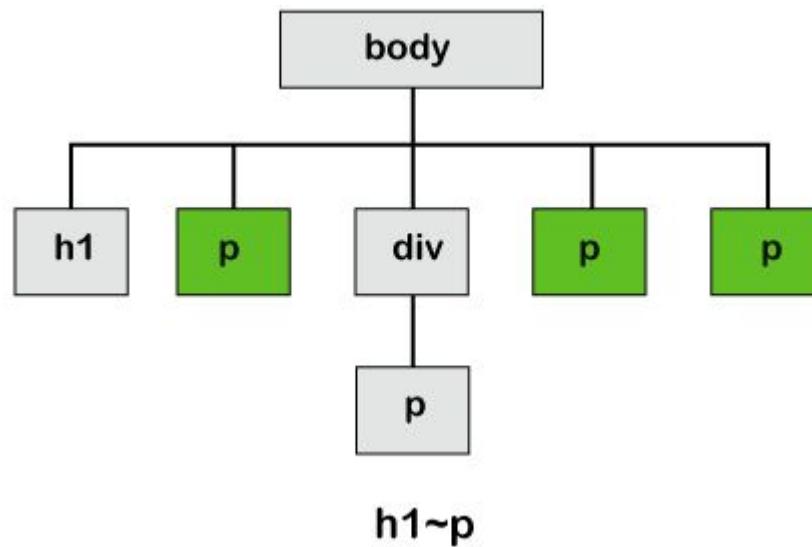
Qo'shni selektorlar

```
body {  
    font-size: 14px;  
    text-align: center;  
}  
  
p + p {  
    color: blue;  
    font-size: 18px;  
    font-weight: bold;  
    text-align: center;  
}  
  
...  
<h1> Adjacent sibling selector (+) property</h1>  
<p> It is the first paragraph </p>  
<p> It is the second paragraph which is  
immediately next to the first paragraph, and it  
get selected. </p>  
<div> This is the div element </div>  
<p> This is the third paragraph which does not  
get affected </p>  
<p> This paragraph is also selected because it  
immediately next to third paragraph </p>
```



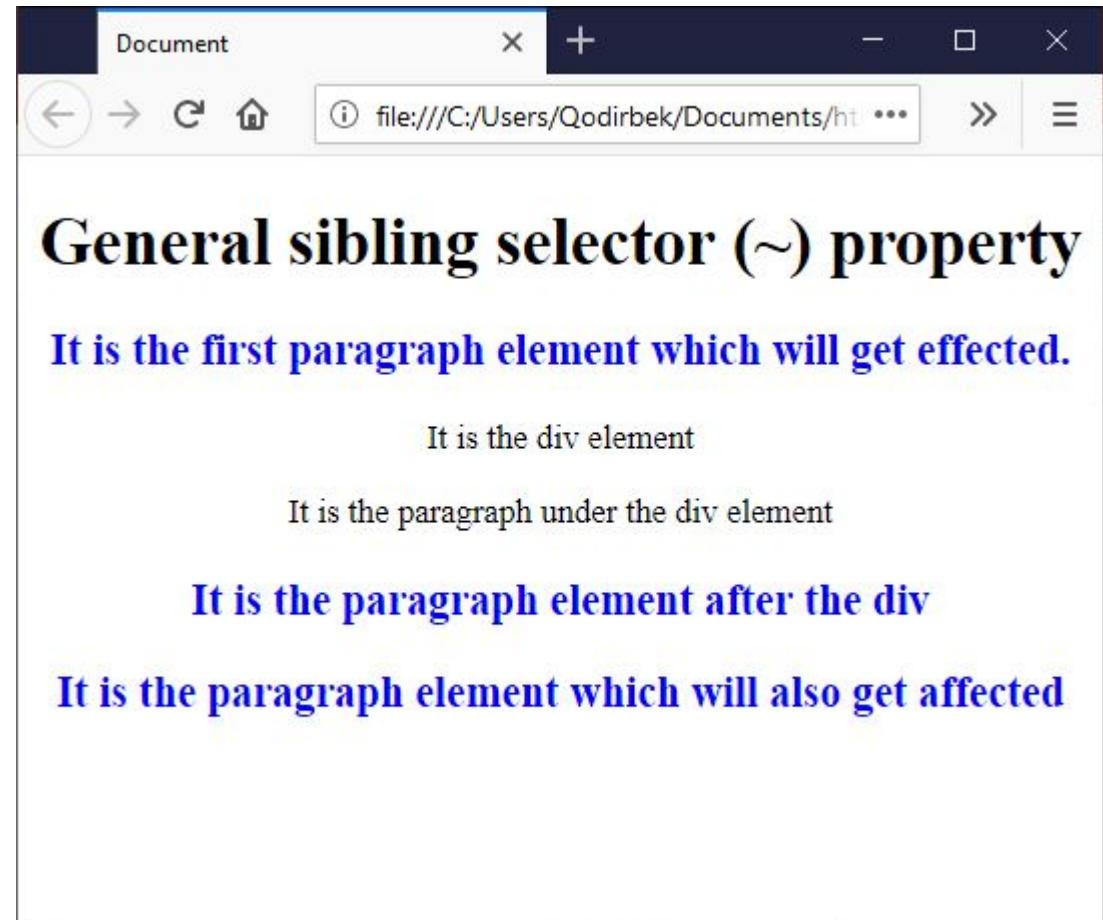
Keyingi selektorlar

```
element ~ element {  
    /* stil xossalari */  
}
```



Keyingi selektorlar

```
body {  
    font-size: 14px;  
    text-align: center;  
}  
  
h1 ~ p {  
    color: blue;  
    font-size: 18px;  
    font-weight: bold;  
    text-align: center;  
}  
  
...  
<h1>General sibling selector (~) property</h1>  
<p>It is the first paragraph element which will get effected.</p>  
<div> It is the div element  
    <p> It is the paragraph under the div element </p>  
</div>  
<p>It is the paragraph element after the div</p>  
<p>It is the paragraph element which will also get affected</p>
```

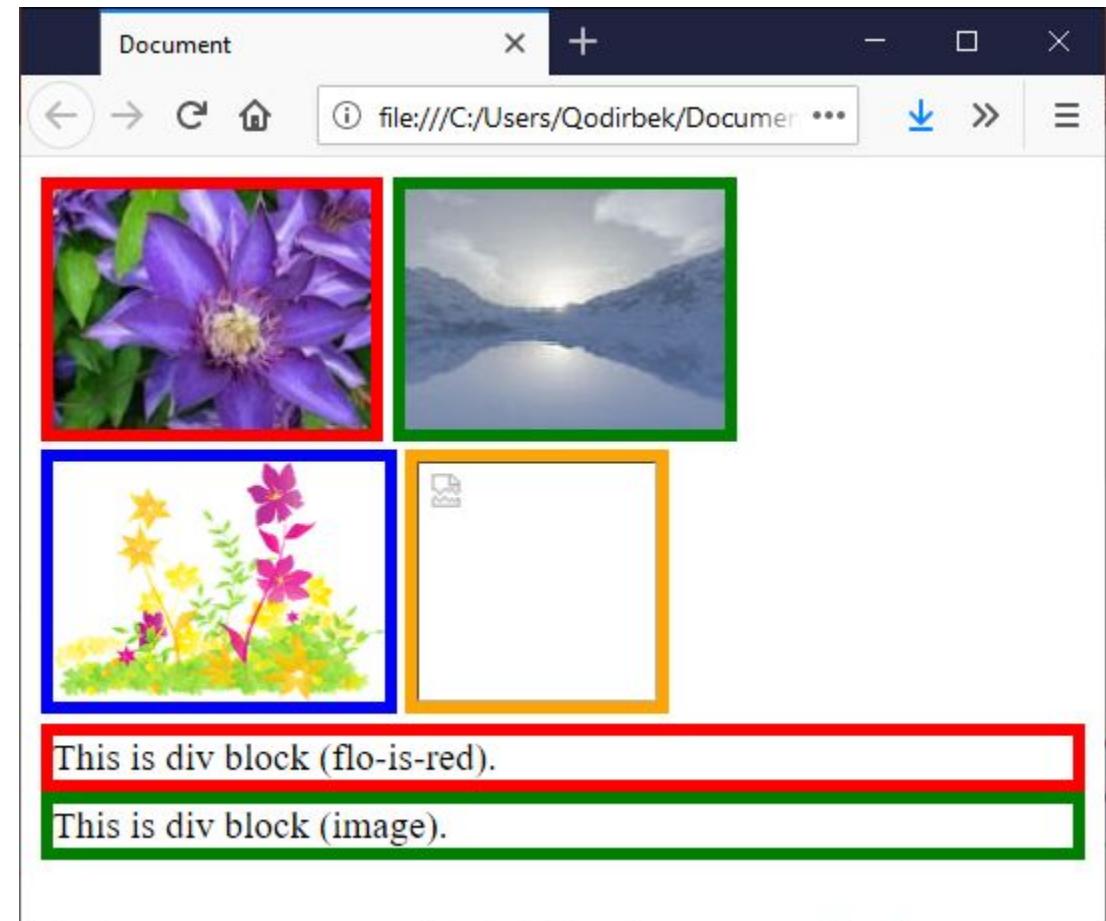


Atribut selektorlari

Ishlatilishi	Ta'rifi
[attribute]	atributi aniqlangan barcha elementlar
[attribute=value]	atributning qiymati value ga teng bo'lgan barcha elementlar
[attribute~=value]	atributning qiymatida value so'zi mavjud bo'lgan barcha elementlar
[attribute =value]	atributning qiymati value bilan boshlansa va "–" bilan ajratilgan holda ishlatilgan bo'lsa
[attribute^=value]	atributning qiymati value bilan boshlangan elementlar
[attribute\$=value]	atributning qiymati value bilan tugagan elementlar
[attribute*=value]	atributning qiymatida value qismi mavjud bo'lgan elementlar

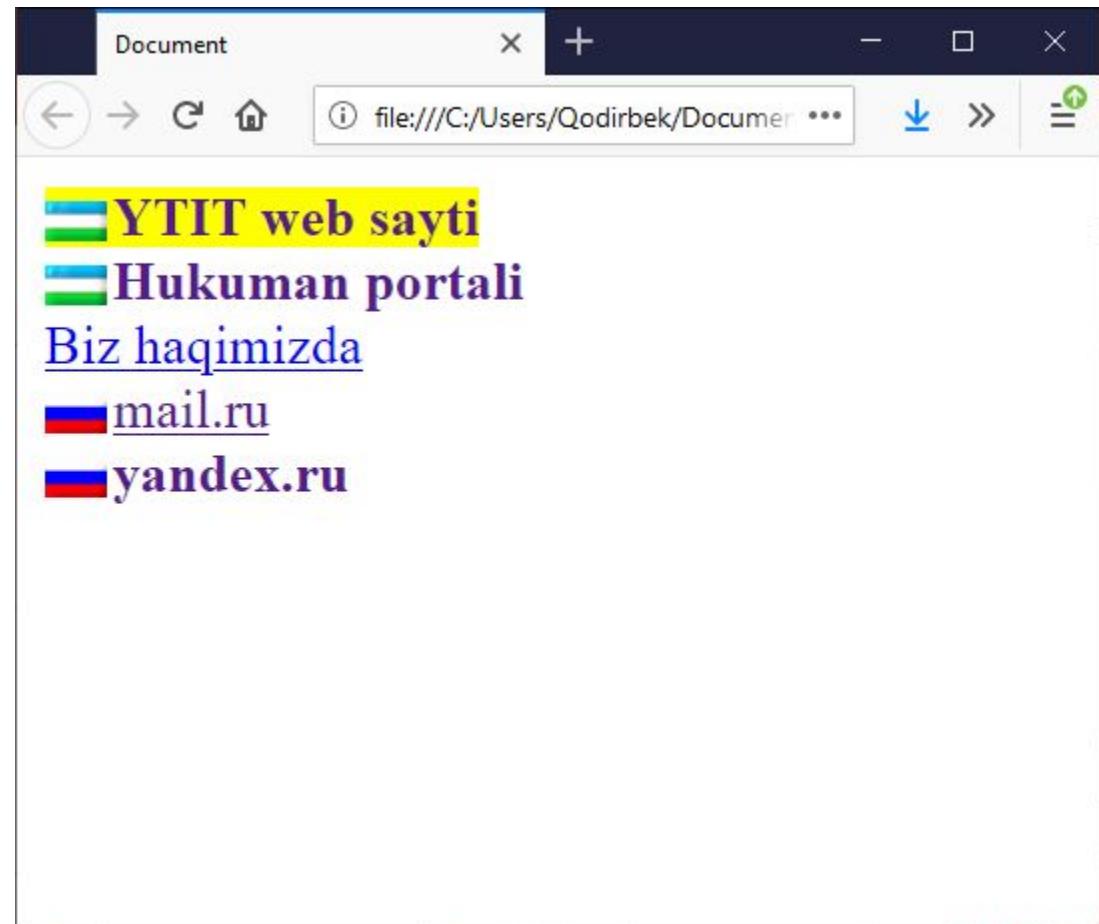
Atribut selektorlar

```
[title] {  
    border: 5px solid red;  
}  
[title=image] {  
    border: 5px solid green;  
}  
img[title~="flower"] {  
    border: 5px solid blue;  
}  
img[title|=flo] {  
    border: 5px solid orange;  
}  
...  
  
  
  
  
<div title="flo-is-red">This is div block (flo-is-red).</div>  
<div title="image">This is div block (image).</div>
```



Atribut selektorlar

```
a[href^="http://"] {  
    font-weight: bold;  
    text-decoration: none;  
}  
  
a[href$=".ru"] {  
    background: url(images/ru.png) no-repeat 0 4px;  
    padding-left: 20px;  
}  
  
a[href$=".uz"] {  
    background: url(images/uz.png) no-repeat 0 4px;  
    padding-left: 20px;  
}  
  
a[href*="ytit"] {  
    background-color: yellow;  
}  
...  
<a href="http://ytit.uz">YTIT web sayti</a><br>  
<a href="http://gov.uz">Hukuman portali</a><br>  
<a href="about.html">Biz haqimizda</a><br>  
<a href="https://mail.ru">mail.ru</a><br>  
<a href="http://yandex.ru">yandex.ru</a><br>
```



Psevdosinflar

Psevdosinflar elementlarning dinamik holatini belgilaydi, ular foydalanuvchi harakati bilan o'zgaradi. Masalan, havola ustiga sichqoncha kursori kelganda rangini o'zgartirishi.

Selektor:Psevdosinf { stillar }

Turlari:

element holatini aniqlovchi (dinamik)

elementlar ierarxiyasiga (strukturasiga) bog'liq

Psevdosinflarni kombinatsiya ko'rinishida ishlatalish mumkin:

Selektor:Psevdosinf1:Psevdosinf2 { stillar }

Element holatini aniqlovchi psevdosinflar

:active – element foydalanuvchi tomonidan aktivlashtirilganda

:link – o'tilmagan havolalar uchun stil

:hover – sichqoncha kursori element ustida bo'lganda

:visited – o'tilgan havolalar uchun stil

:lang(<til>) – lang atributi qiymati <til>ga teng elementlar uchun

Namuna: *a:hover { stillar }*

Ushbu psevdosinflarni kombinatsiya ko'rinishida ishlatish mumkin:

a:visited:hover { stillar }

~~*a:link:visited { stillar }*~~

Element holatini aniqlovchi psevdosinflar

:checked – tanlangan <input> element uchun

:disabled – o'chirilgan <input> element uchun

:enabled – o'chirilmagan <input> element uchun

:focus – <input> element focus olganda

:in-range – aniqlangan qiymatlar chegarasida qiymat olgan <input> element uchun

:invalid – noto'g'ri qiymatli <input> elementi uchun

:optional – "required" atributi bo'lmasagan <input> elementi uchun

:out-of-range – aniqlangan qiymatlar chegarasida qiymat olmagan <input> element uchun

:read-only – "readonly" atributi bo'lgan <input> elementi uchun

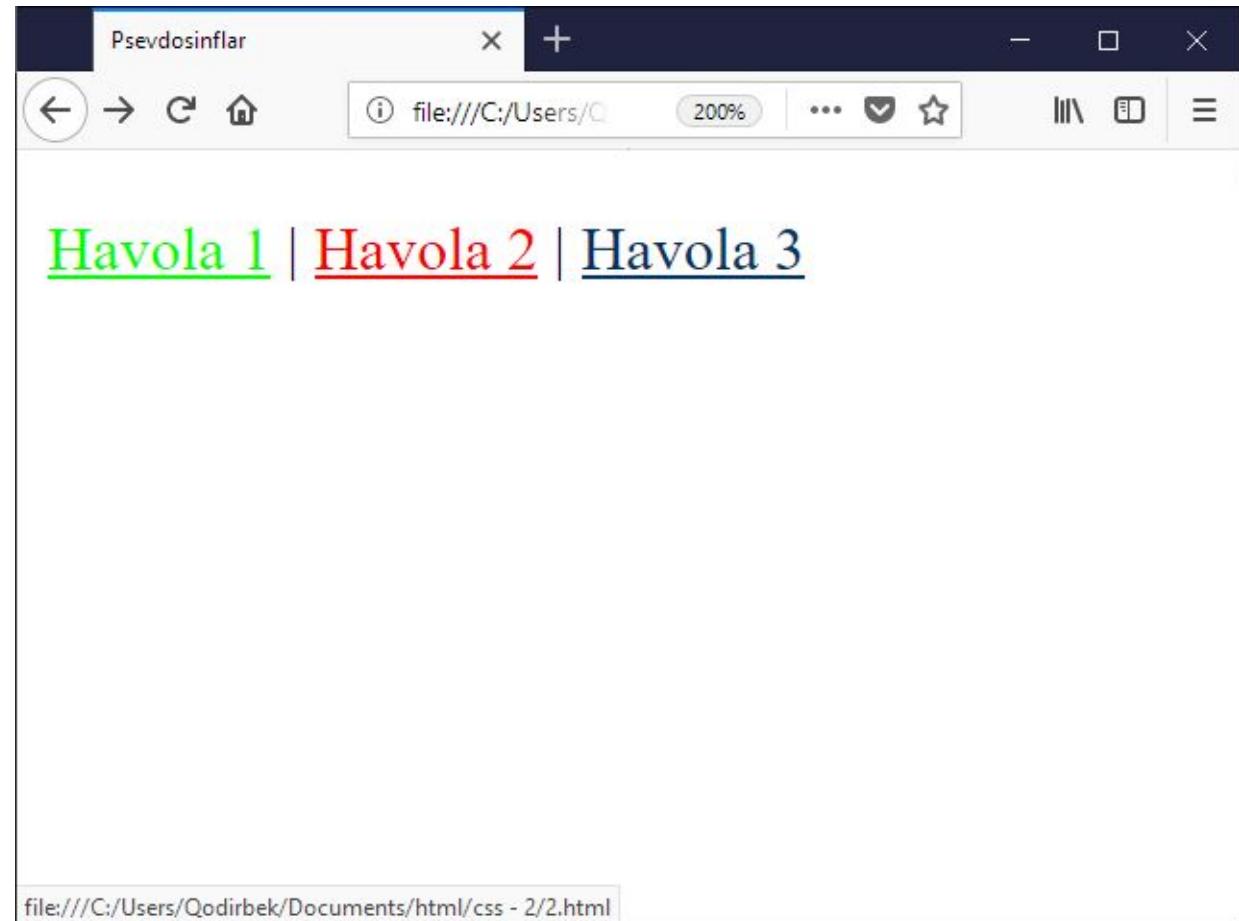
:read-write – "readonly" atributi bo'lmasagan <input> elementi uchun

:required – "required" atributi bo'lmasagan <input> elementi uchun

:valid – to'g'ri qiymatli <input> elementi uchun

Element holatini aniqlovchi psevdosinflar

```
A:link {  
    color: #036; /* O'tilmagan havola */  
}  
  
A:visited {  
    color: #0f0; /* O'tilgan havola */  
}  
  
A:hover {  
    color: #f00; /* Sichqoncha kursori kelganda */  
}  
  
A:active {  
    color: #ff0; /* Aktiv havola */  
}  
  
...  
  
<a href="1.html">Havola 1</a> |  
<a href="2.html">Havola 2</a> |  
<a href="3.html">Havola 3</a>
```



Element holatini aniqlovchi psevdosinflar

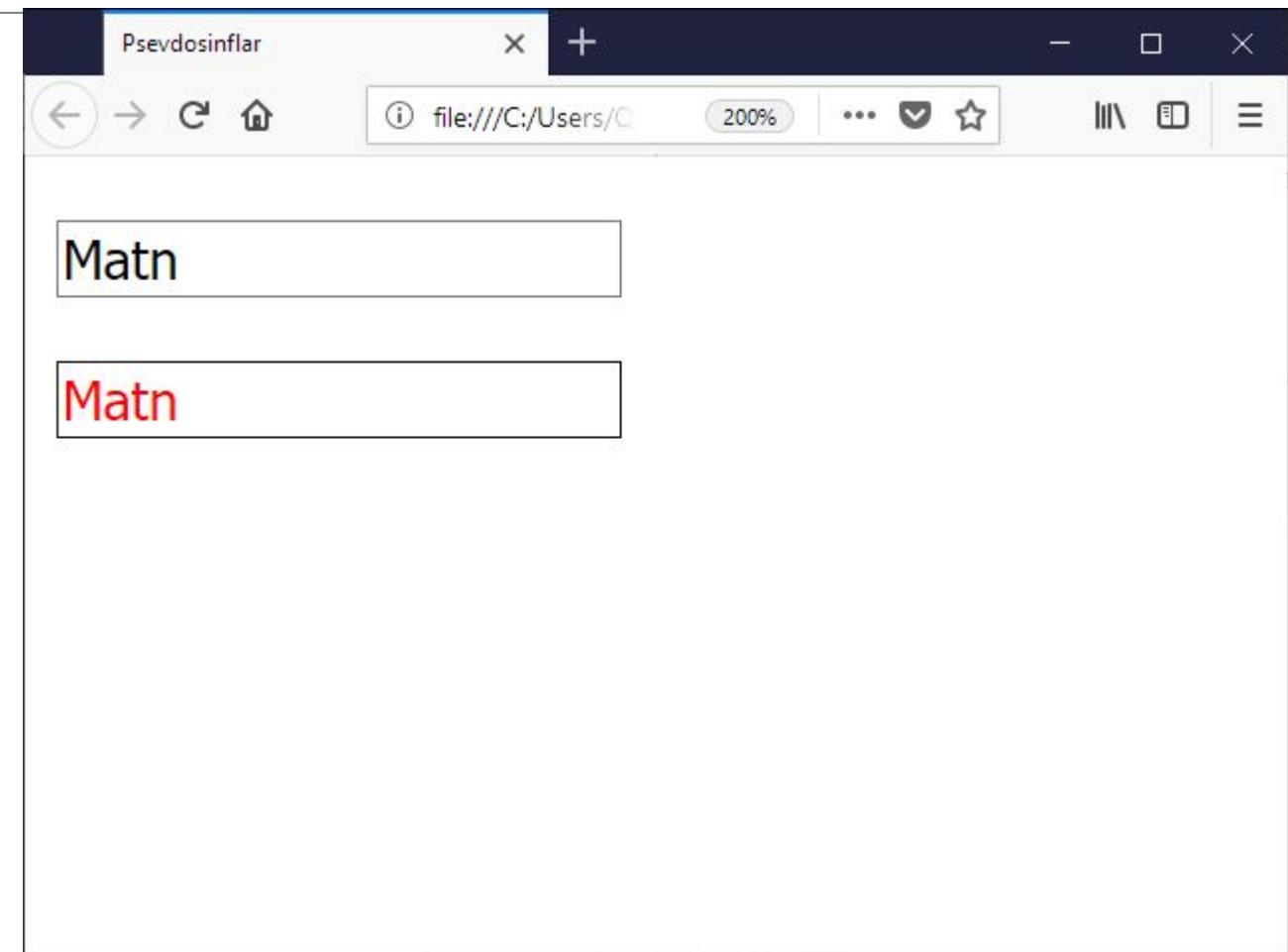
```
table { border-spacing: 0; }
td { padding: 4px; }
tr:hover { background: #fc0; }
...
<table width="400" border="1">
  <tr>
    <th>#</th>
    <th>Familiya</th>
    <th>Ism</th>
    <th>Otasingin ismi</th>
  </tr>
  <tr>
    <td>1</td>
    <td>Alimov</td>
    <td>Karim</td>
    <td>Qosimovich</td>
  </tr>
  ...

```

#	Familiya	Ism	Otasining ismi
1	Alimov	Karim	Qosimovich
2	Xasanov	Komil	Olim o'g'li
3	Usmonov	Axmad	Akmalovich

Element holatini aniqlovchi psevdosinflar

```
input:focus {  
    color: red;  
}  
...  
<form action="">  
    <p><input type="text" value="Matn"></p>  
    <p><input type="text" value="Matn"></p>  
</form>
```



Element holatini aniqlovchi psevdosinflar

```
input:disabled {  
    border: 2px dashed grey;  
}  
input:invalid {  
    color: red;  
    border: 2px solid red;  
}  
input:valid {  
    color: green;  
    border: 2px solid green;  
}  
:focus:required {  
    background-color: coral;  
    color: cornsilk;  
}  
...  
<form action="">  
    <p><input type="text" value="Matn" disabled></p>  
    <p><input type="number" min="10" max="20" value="30" required></p>  
    <p><input type="number" min="10" max="20" value="15"></p>  
    <p><textarea required>Majburiy maydon</textarea></p>  
</form>
```



Elementlar ierarxiyasiga bog'liq psevdosinflar

:empty – vorisi bo'Imagan element uchun

:first-child – o'zining ajdodiga birinchi voris bo'lgan element uchun (barcha elementlar ichidan)

:first-of-type – o'zining ajdodiga birinchi voris bo'lgan element uchun (faqat joriy selektorlar ichidan)

:last-child – o'zining ajdodiga oxirgi voris bo'lgan element uchun

:last-of-type – o'zining ajdodiga oxirgi voris bo'lgan element uchun

:not(<selector>) - <selector> bo'Imagan barcha elementlar uchun

:nth-child(n) – o'zining ajdodiga voris elementlar birinchisidan hisoblaganda n-bo'lgan element uchun

:nth-last-child(n) – o'zining ajdodiga voris elementlar oxirgisidan hisoblaganda n-bo'lgan element uchun

:nth-last-of-type(n) – o'zining ajdodiga voris elementlar oxirgisidan hisoblaganda n-bo'lgan element uchun

:nth-of-type(n) – o'zining ajdodiga voris elementlar birinchisidan hisoblaganda n-bo'lgan element uchun

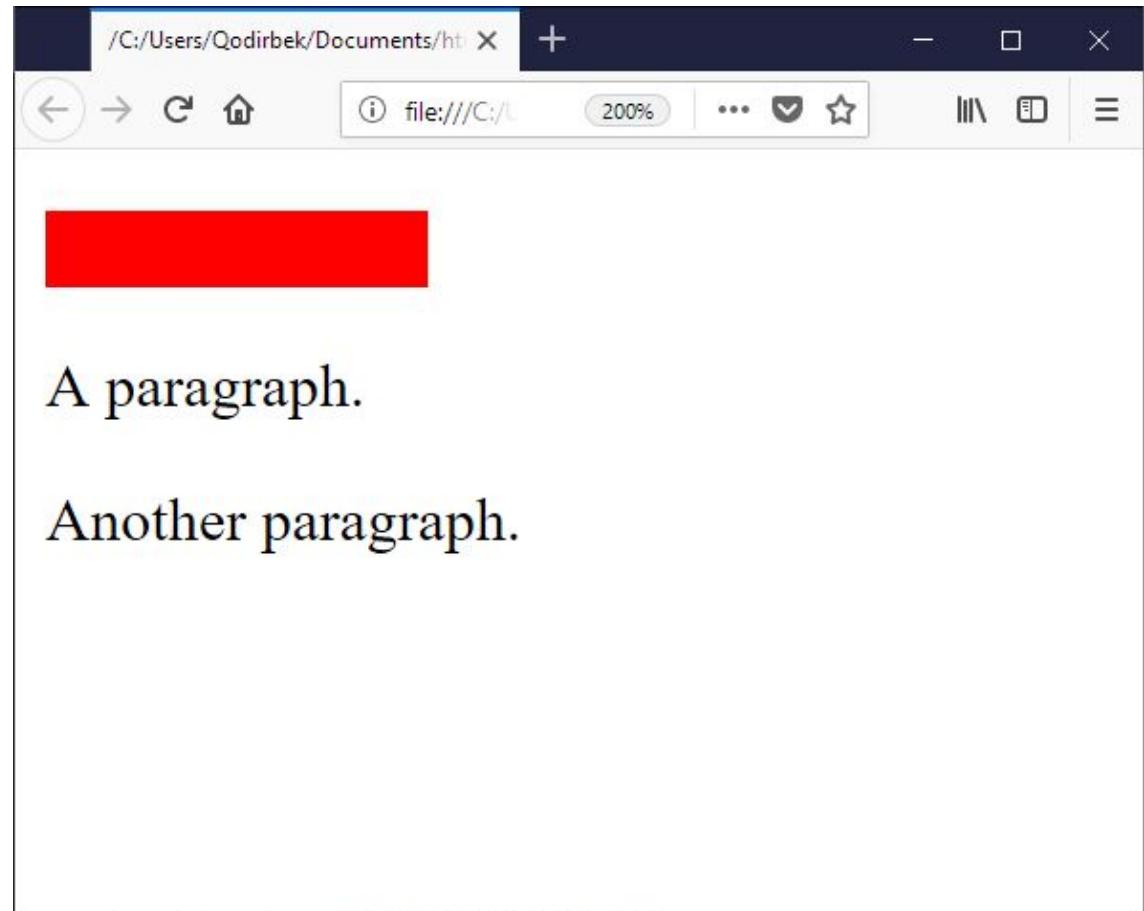
:only-of-type – o'zining ajdodiga yagona voris element uchun

:only-child – o'zining ajdodiga yagona voris element uchun

:target – aktiv #id element uchun

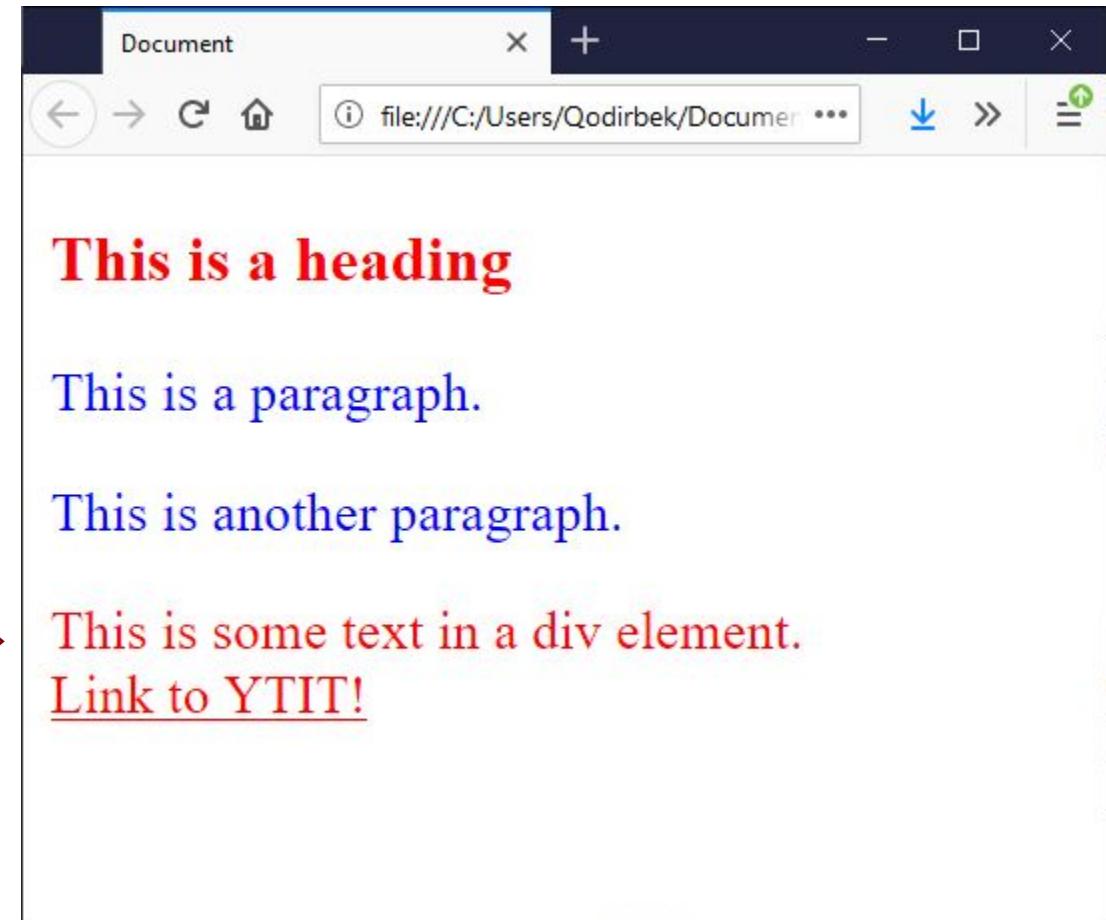
Elementlar ierarxiyasiga bog'liq psevdosinflar

```
p:empty {  
    width: 100px;  
    height: 20px;  
    background: #ff0000;  
}  
...  
<p></p>  
<p>A paragraph.</p>  
<p><span>Another</span> paragraph.</p>
```



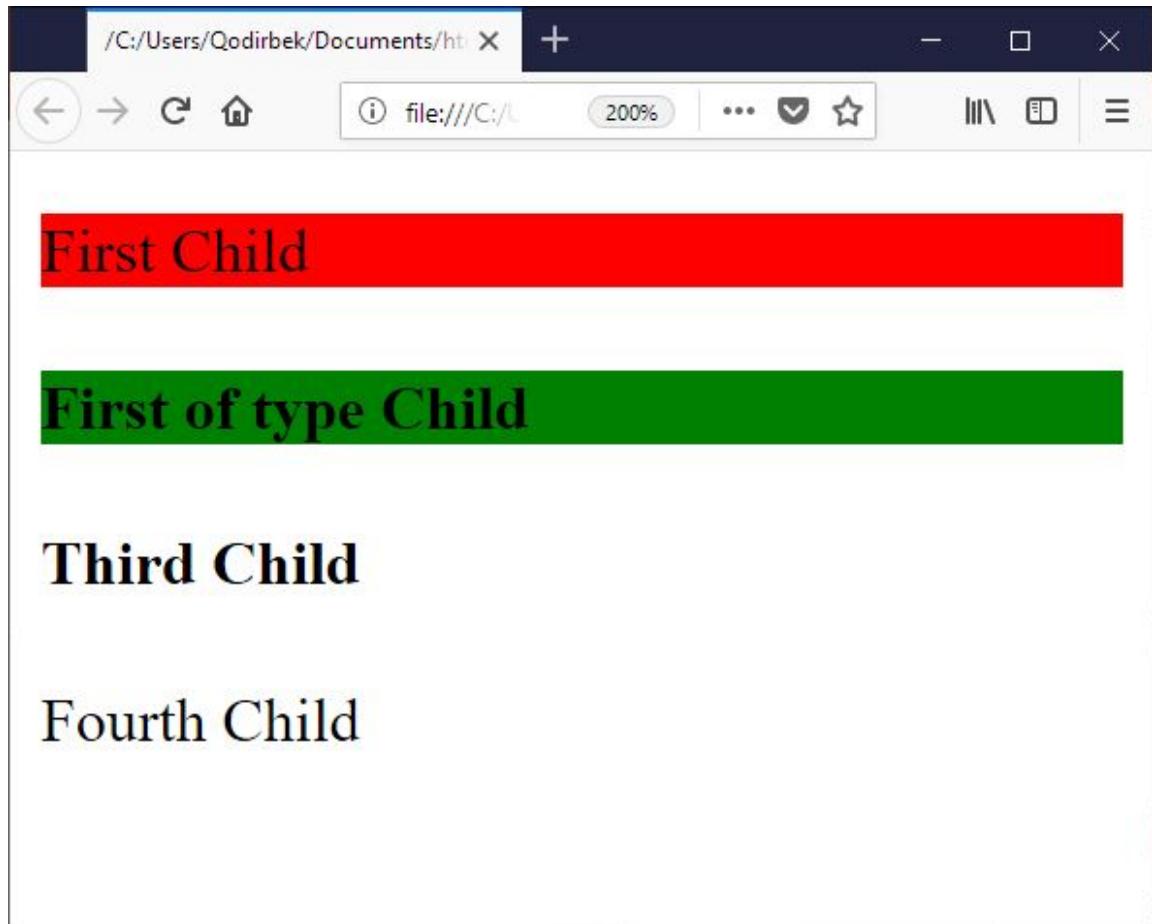
Elementlar ierarxiyasiga bog'liq psevdosinflar

```
p {  
    color: blue;  
}  
  
:not(p) {  
    color: red;  
}  
  
...  
<h3>This is a heading</h3>  
<p>This is a paragraph.</p>  
<p>This is another paragraph.</p>  
<div>This is some text in a div element.</div>  
<a href="https://ytit.uz" target="_blank">Link to YTIT!</a>
```



Elementlar ierarxiyasiga bog'liq psevdosinflar

```
<style>
  p:first-child {
    background: red;
  }
  h4:first-of-type {
    background: green;
  }
</style>
...
<div>
  <p>First Child</p>
  <h4>First of type Child</h4>
  <h4>Third Child</h4>
  <p>Fourth Child</p>
</div>
```

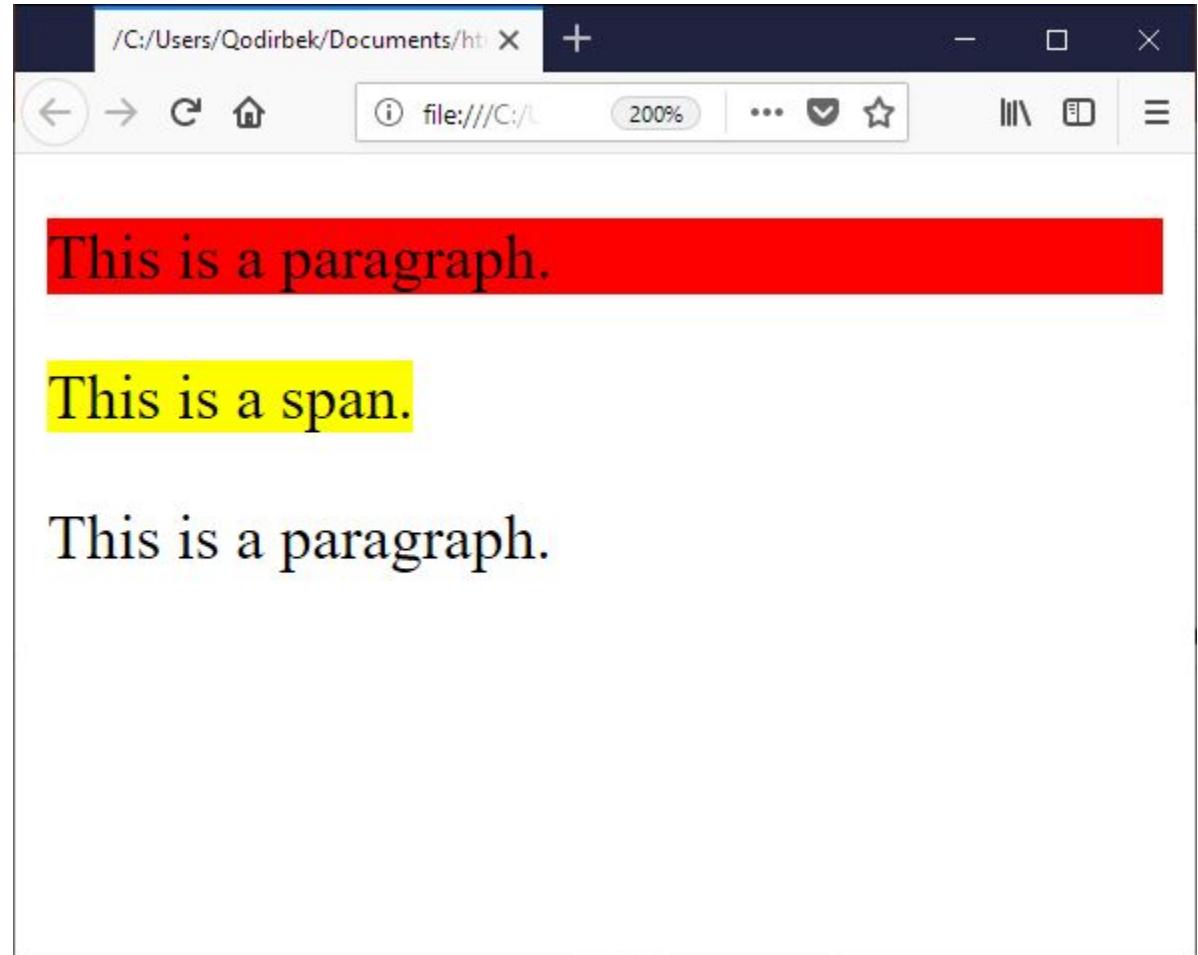


Elementlar ierarxiyasiga bog'liq psevdosinflar

```
<style>
  p:only-child {
    background: red;
  }

  span:only-of-type {
    background: yellow;
  }
</style>
...
<div>
  <p>This is a paragraph.</p>
</div>

<div>
  <span>This is a span.</span>
  <p>This is a paragraph.</p>
</div>
```



Elementlar ierarxiyasiga bog'liq psevdosinflar

nth-qoidalar quyidagi qiymat qabul qilishi mumkin:

- son
- kalit so'z (odd, even)
- an+b ko'rinishidagi ifoda

5	5
$2n$	2, 4, 6, 8, 10
$2n+1$	1, 3, 5, 7, 9
$3n+2$	2, 5, 8, 11, 14
$-n+3$	3, 2, 1
$5n-2$	3, 8, 13, 18, 23
even	2, 4, 6, 8, 10
odd	1, 3, 5, 7, 9

Elementlar ierarxiyasiga bog'liq psevdosinflar

```
tr:nth-child(odd) {  
    background: #FFBFBF;  
}
```

Product ID	Product Name	Product Quality	Product Quantity
1	Wheat	Good	200 Bags
2	Rice	Good	250 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags

```
tr:nth-child(n+4):nth-child(odd) {  
    background: #FFBFBF;  
}
```

Product ID	Product Name	Product Quality	Product Quantity
1	Wheat	Good	200 Bags
2	Rice	Good	250 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags
3	Sugar	Good	200 Bags

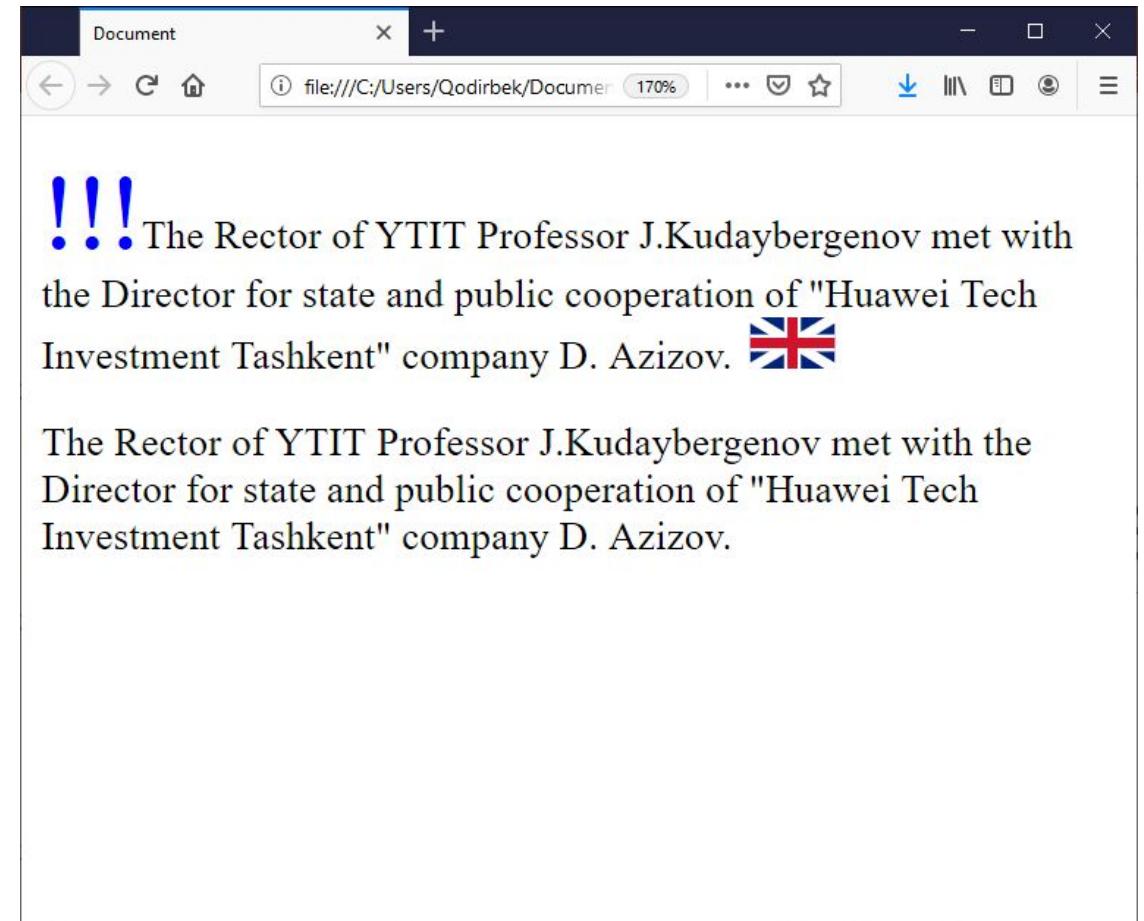
Psevdoelementlar

Psevdoelementlar – "virtual" element yaratish uchun ishlataladi.

- ::before
- ::after
- ::first-letter
- ::first-line
- ::selection

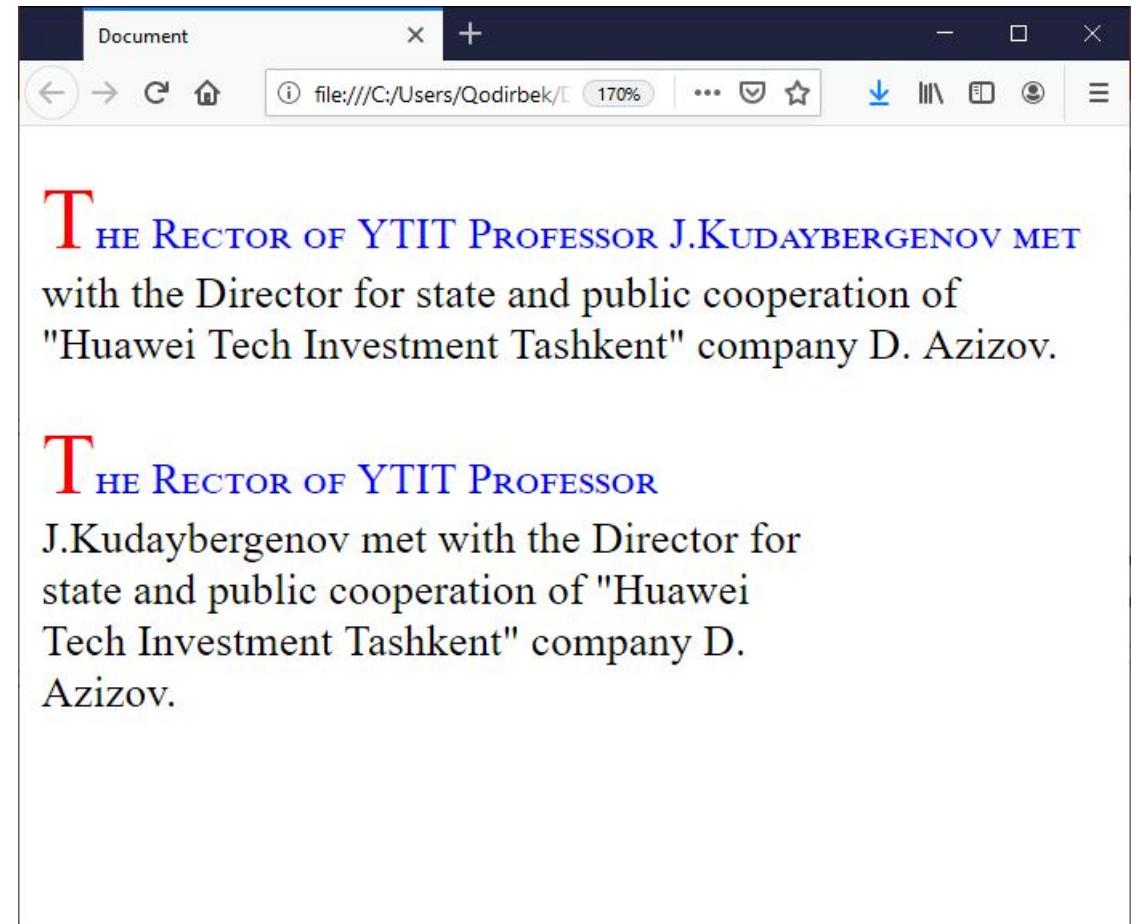
Psevdoelementlar

```
p.new::before {  
    content: "!!!";  
    color: blue;  
    font: 40px Georgia;  
}  
p.new::after {  
    content: "";  
    width: 40px;  
    height: 20px;  
    background-image: url(images/flag-gb.svg);  
    background-size: 40px 20px;  
    background-repeat: no-repeat;  
    display: inline-block;  
}  
...  
<p class="new">The Rector of YTIT Professor J.Kudaybergenov  
met with the Director for state and public cooperation of  
"Huawei Tech Investment Tashkent" company D. Azizov. </p>  
<p>The Rector of YTIT Professor J.Kudaybergenov met with  
the Director for state and public cooperation of "Huawei  
Tech Investment Tashkent" company D. Azizov. </p>
```



Psevdoelementlar

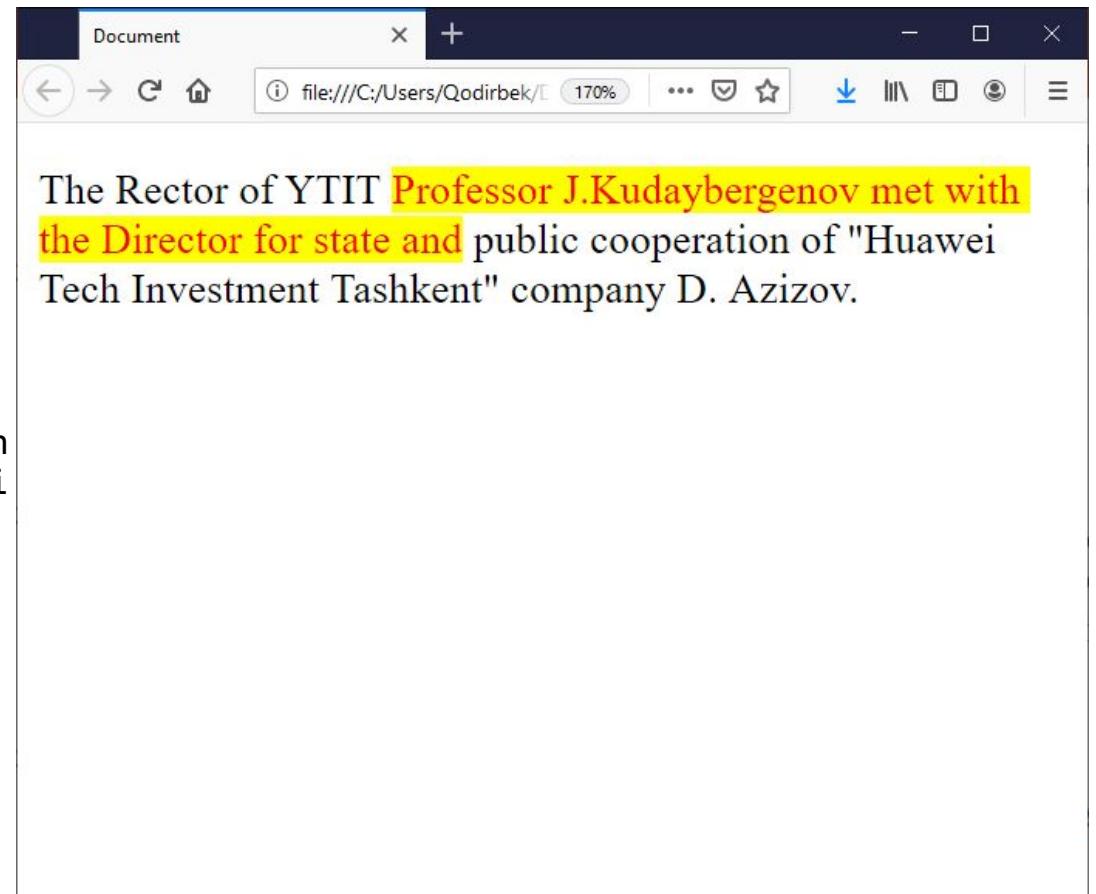
```
p::first-letter {  
    color: #ff0000;  
    font-size: xx-large;  
}  
p::first-line {  
    color: #0000ff;  
    font-variant: small-caps;  
}  
div {  
    width: 75%;  
}  
...  
<p>The Rector of YTIT Professor J.Kudaybergenov met with  
the Director for state and public cooperation of "Huawei  
Tech Investment Tashkent" company D. Azizov. </p>  
  
<div>  
    <p>The Rector of YTIT Professor J.Kudaybergenov met  
with the Director for state and public cooperation of  
"Huawei Tech Investment Tashkent" company D. Azizov. </p>  
</div>
```



Psevdoelementlar

```
/*:::moz-selection Firefox 62.0 gacha */
::selection {
    color: red;
    background: yellow;
}
```

<p>The Rector of YTIT Professor J.Kudaybergenov met with the Director for state and public cooperation of "Huawei Tech Investment Tashkent" company D. Azizov. </p>



Savollar?
