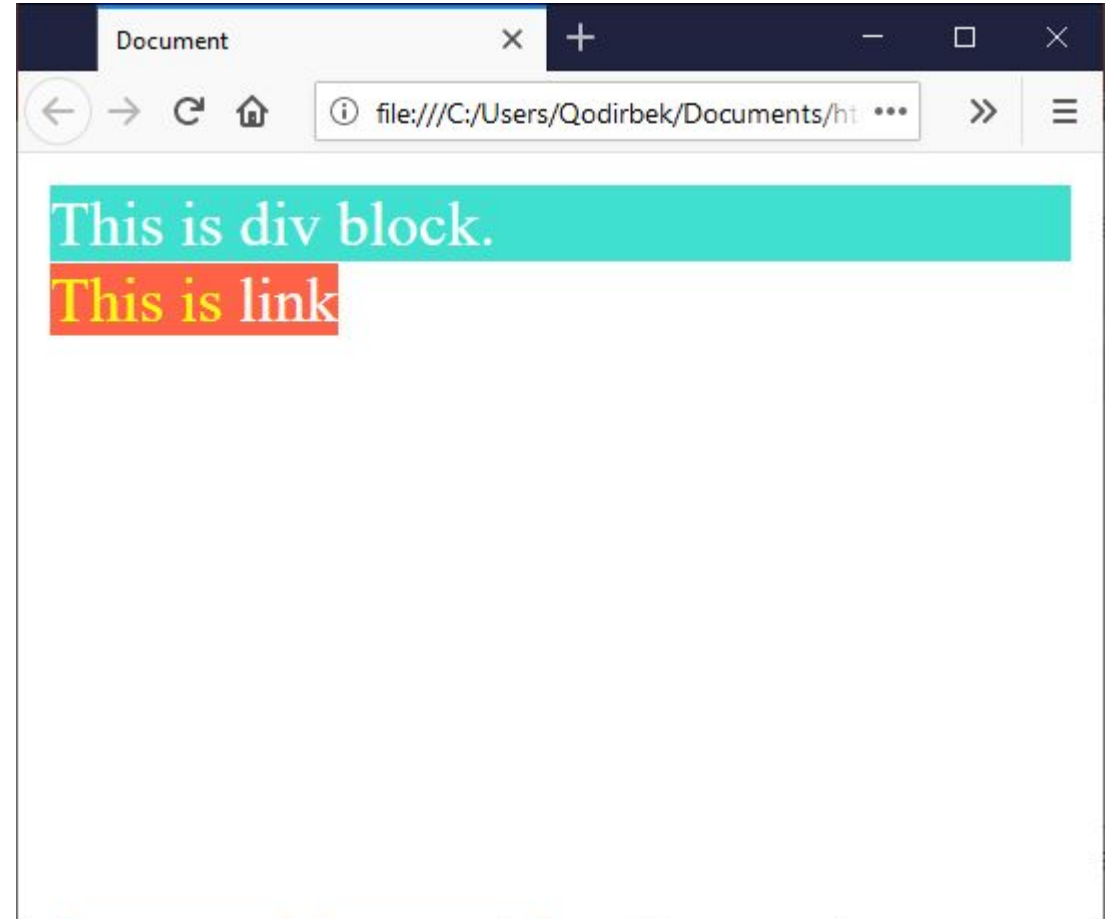


CSS

Selektorlarni birgalikda ishlatish

```
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
- Psevdoinflar
- 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 guruhlash

```
div {  
  color: tomato;  
}
```

```
p {  
  color: tomato;  
}
```

```
h2 {  
  color: tomato;  
}
```

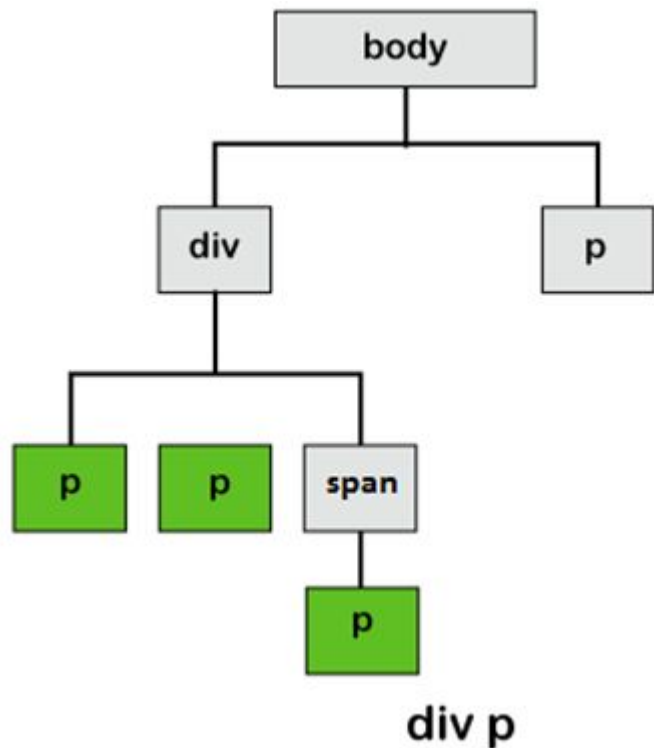
```
h3 {  
  color: tomato;  
}
```



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

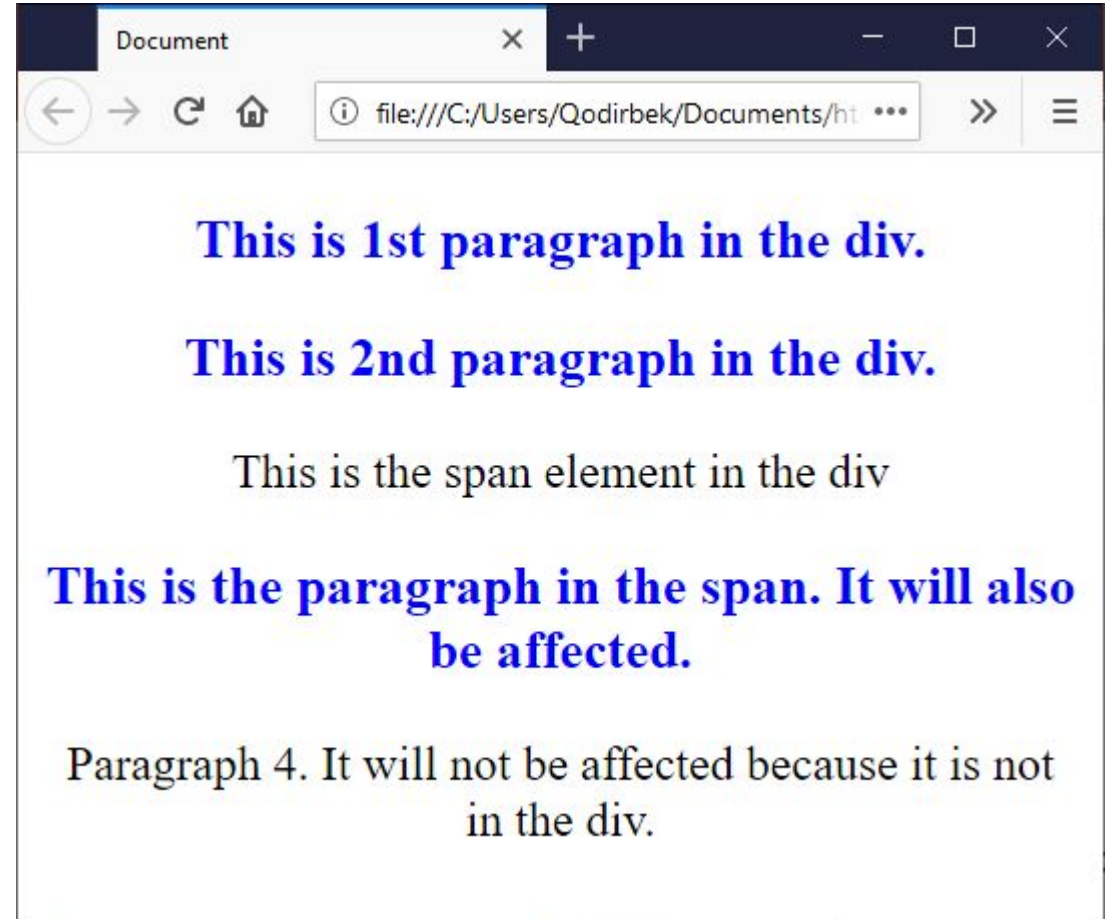
Avlod selektorlar

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



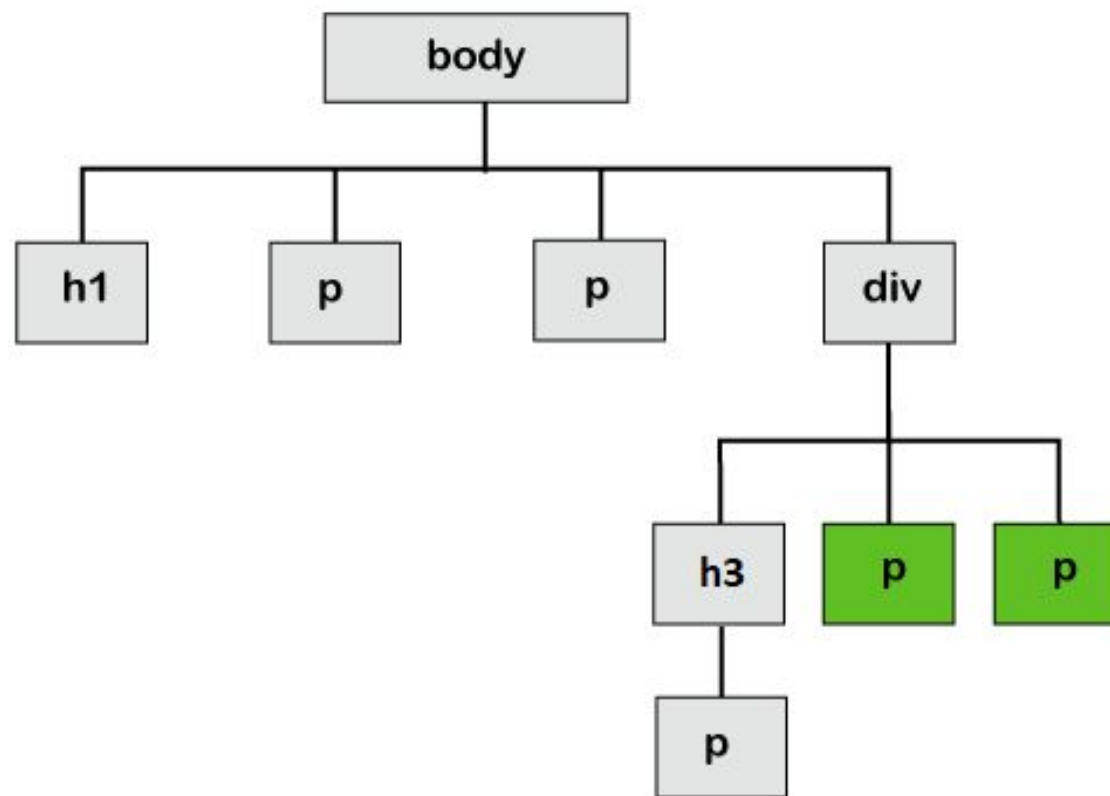
Avlod selektorlar

```
body{
  text-align: center;
}
div p{
  color: blue;
  font-size: 18px;
  font-weight: bold;
  text-align: center;
}
...
<div>
  <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>
<p> Paragraph 4. It will not be affected
because it is not in the div. </p>
```



Farzand selektorlar

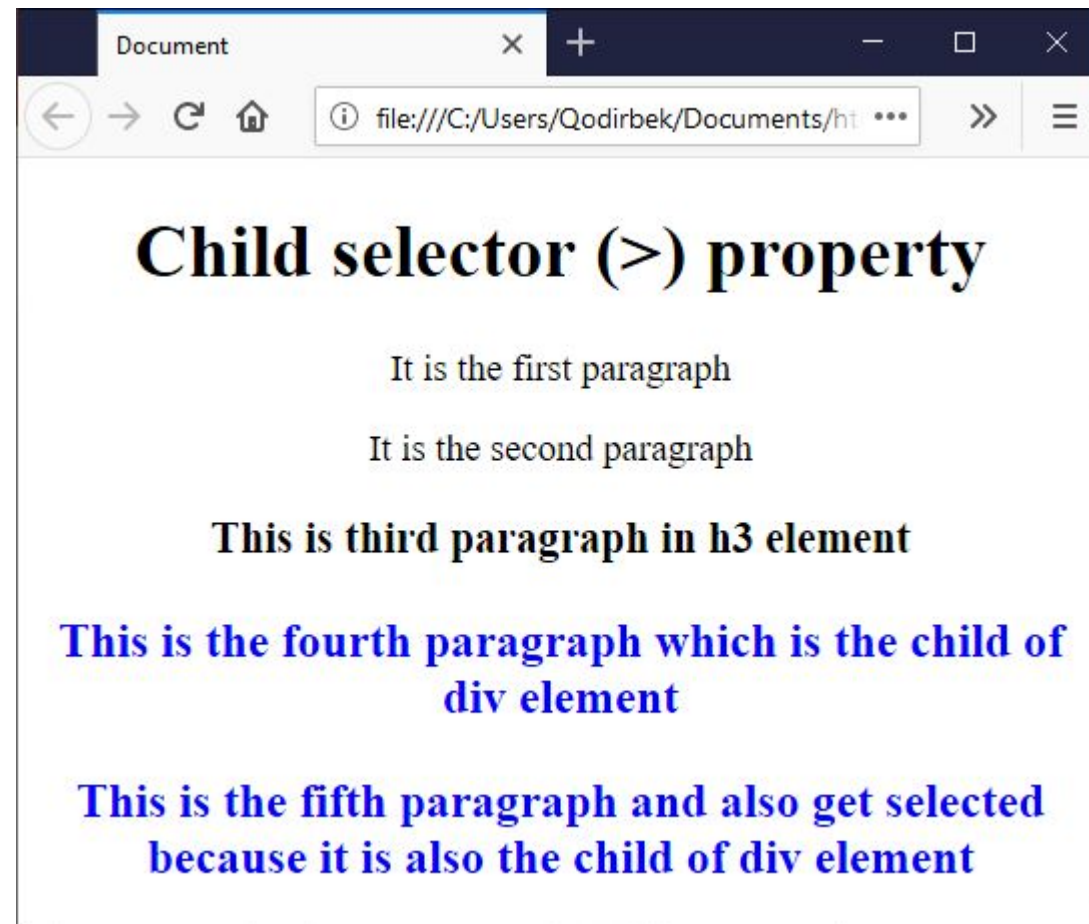
```
element > element {  
  /* stil xossalari */  
}
```



div > p

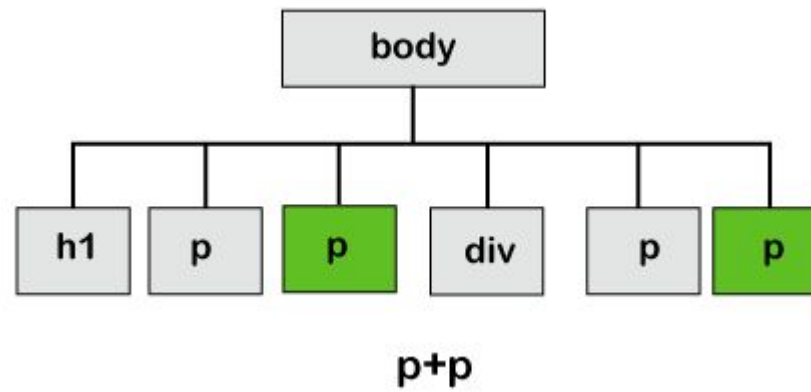
Farzand selektorlar

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



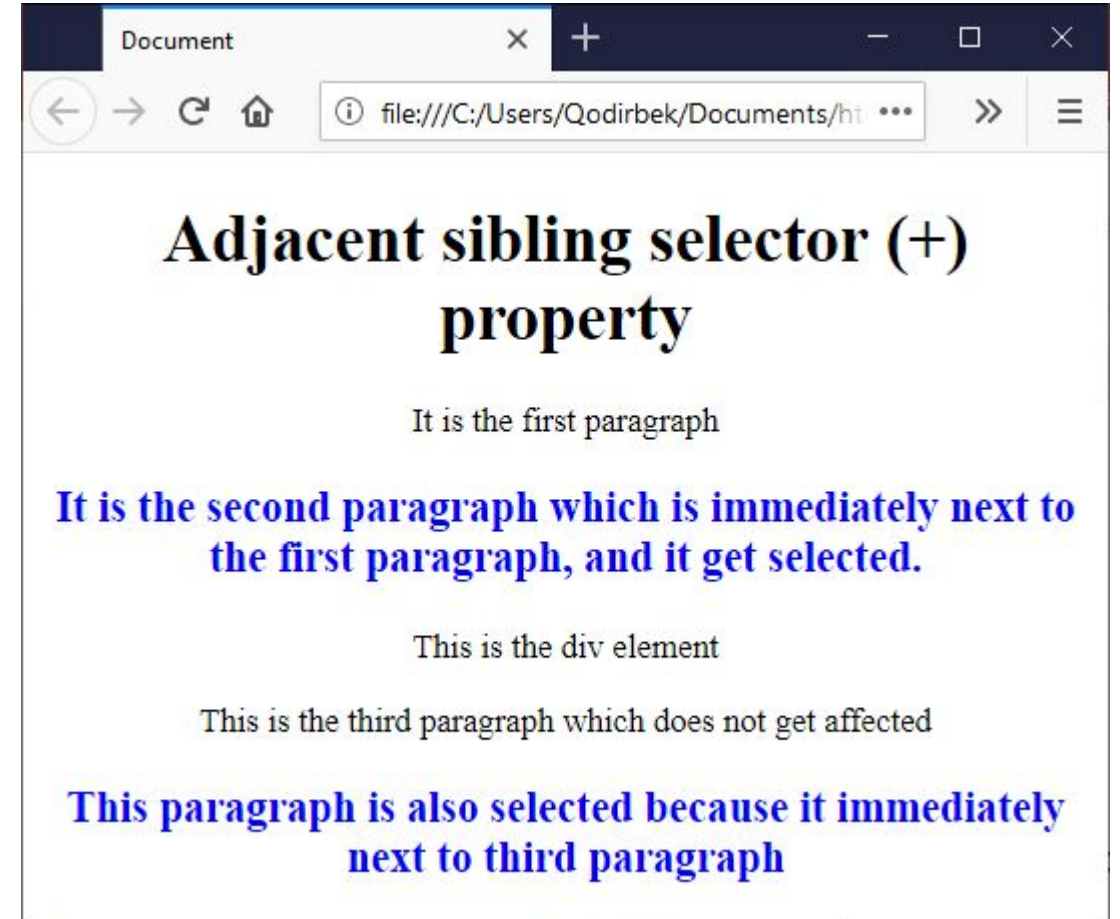
Qo'shni selektorlar

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



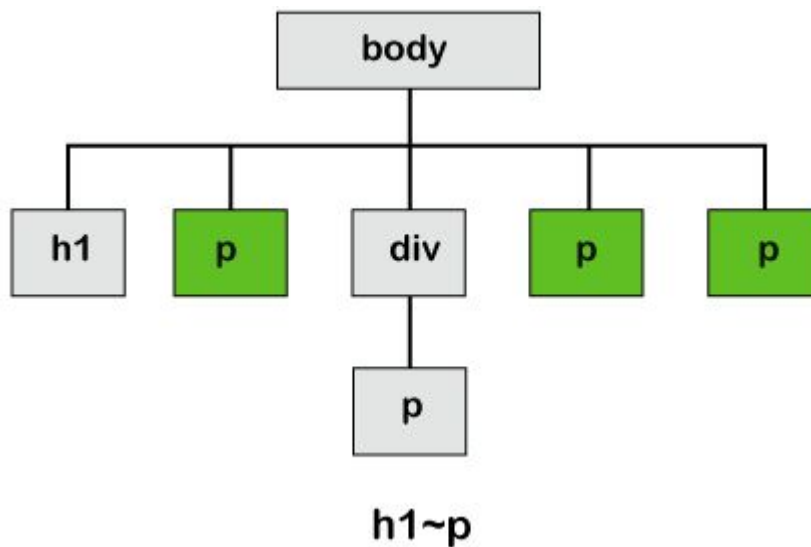
Qo'shni selektorlar

```
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>
```



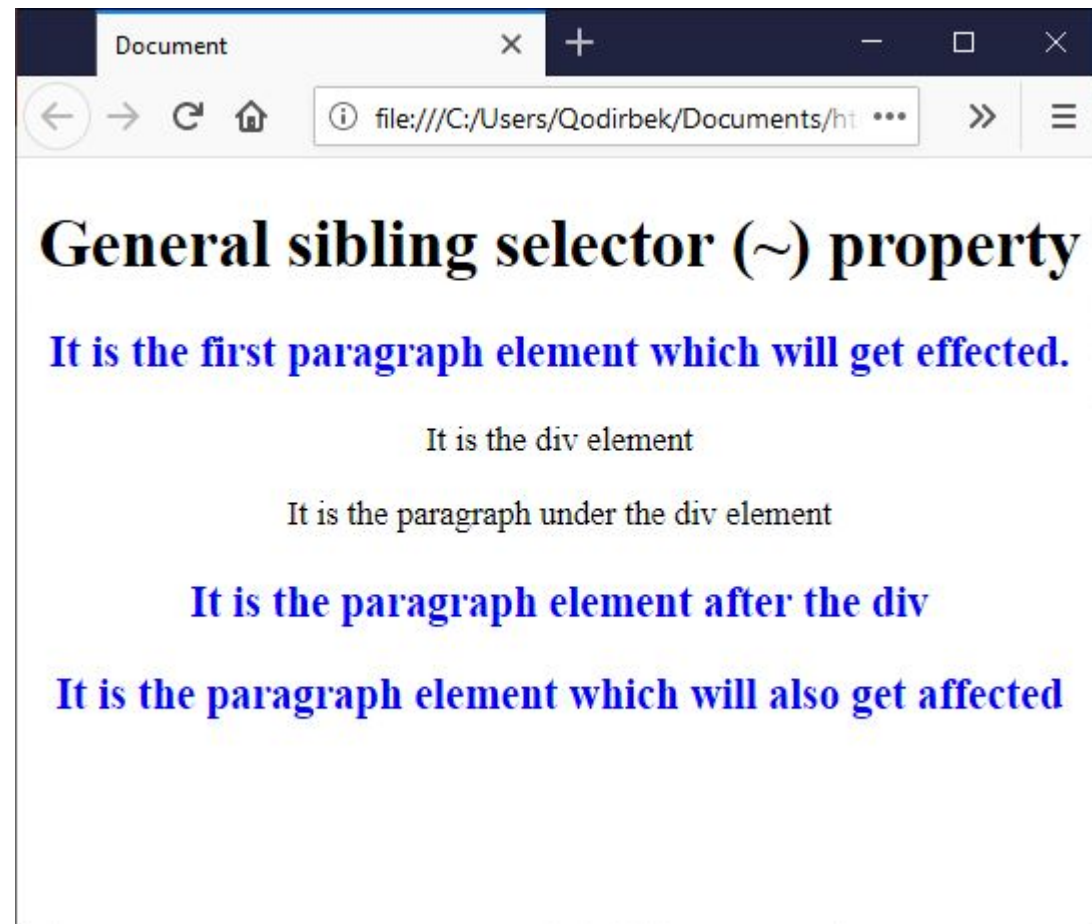
Keyingi selektorlar

```
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>
```

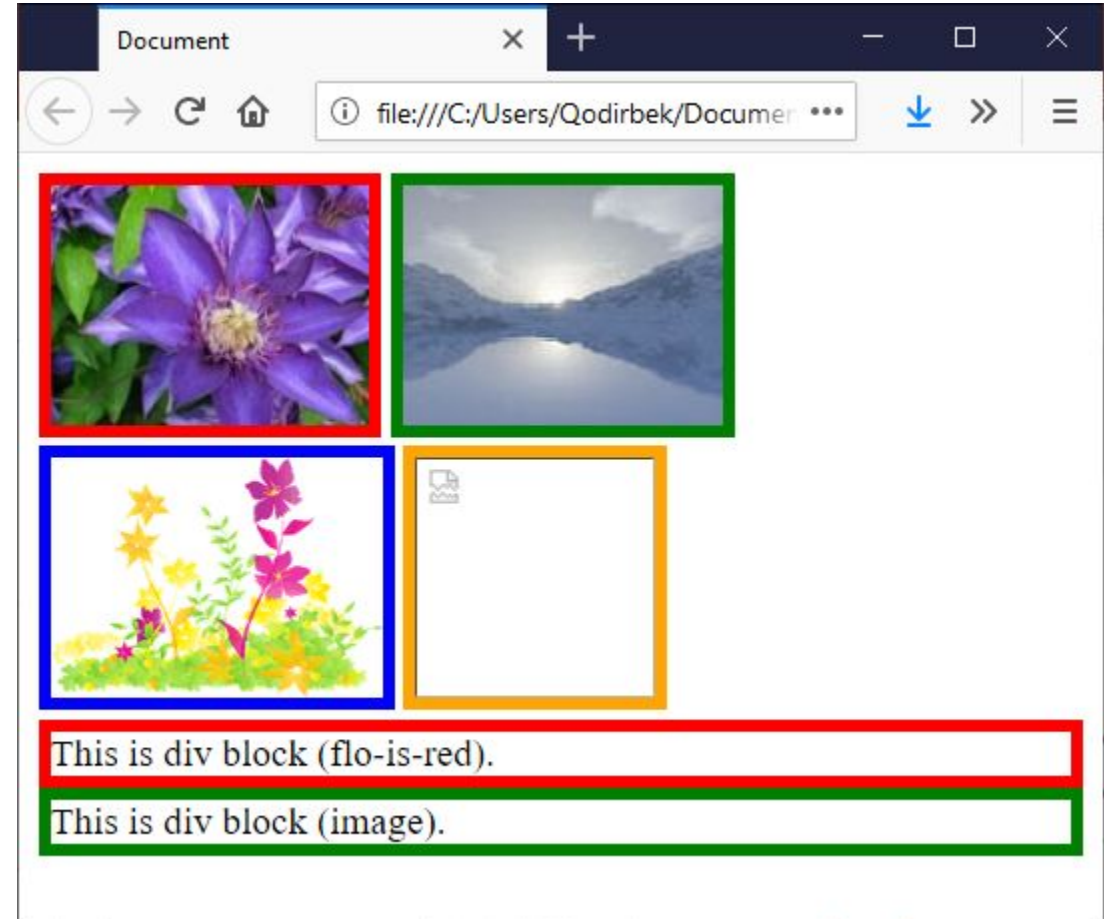


Atribut selektorlari

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>
```



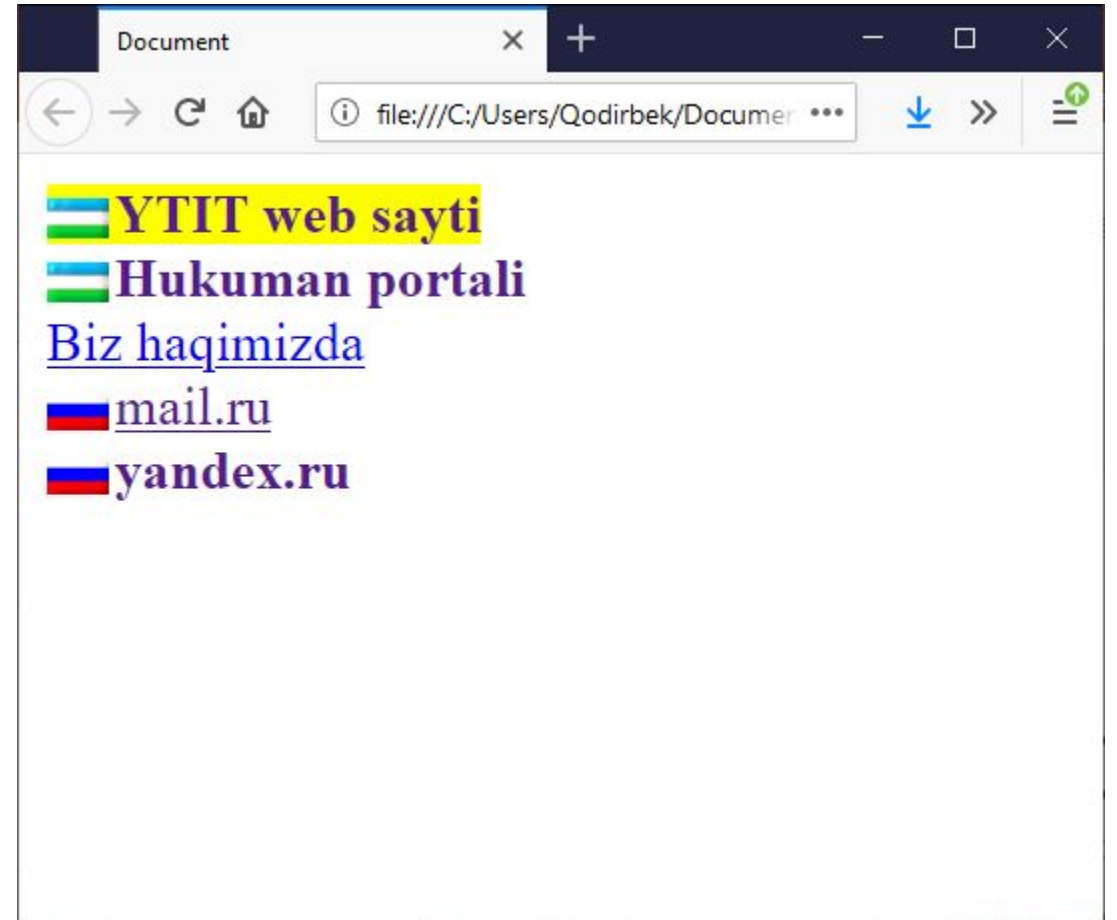
Atribut selektorlar

```
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>
```



Pseudosinlar

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

Selektor:Pseudosinf { stillar }

Turlari:

element holatini aniqlovchi (dinamik)

elementlar ierarxiyasiga (strukturasiga) bog'liq

Pseudosinflarni kombinatsiya ko'rinishida ishlatish mumkin:

Selektor:Pseudosinf1:Pseudosinf2 { 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'lmagan <input> elementi uchun

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

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

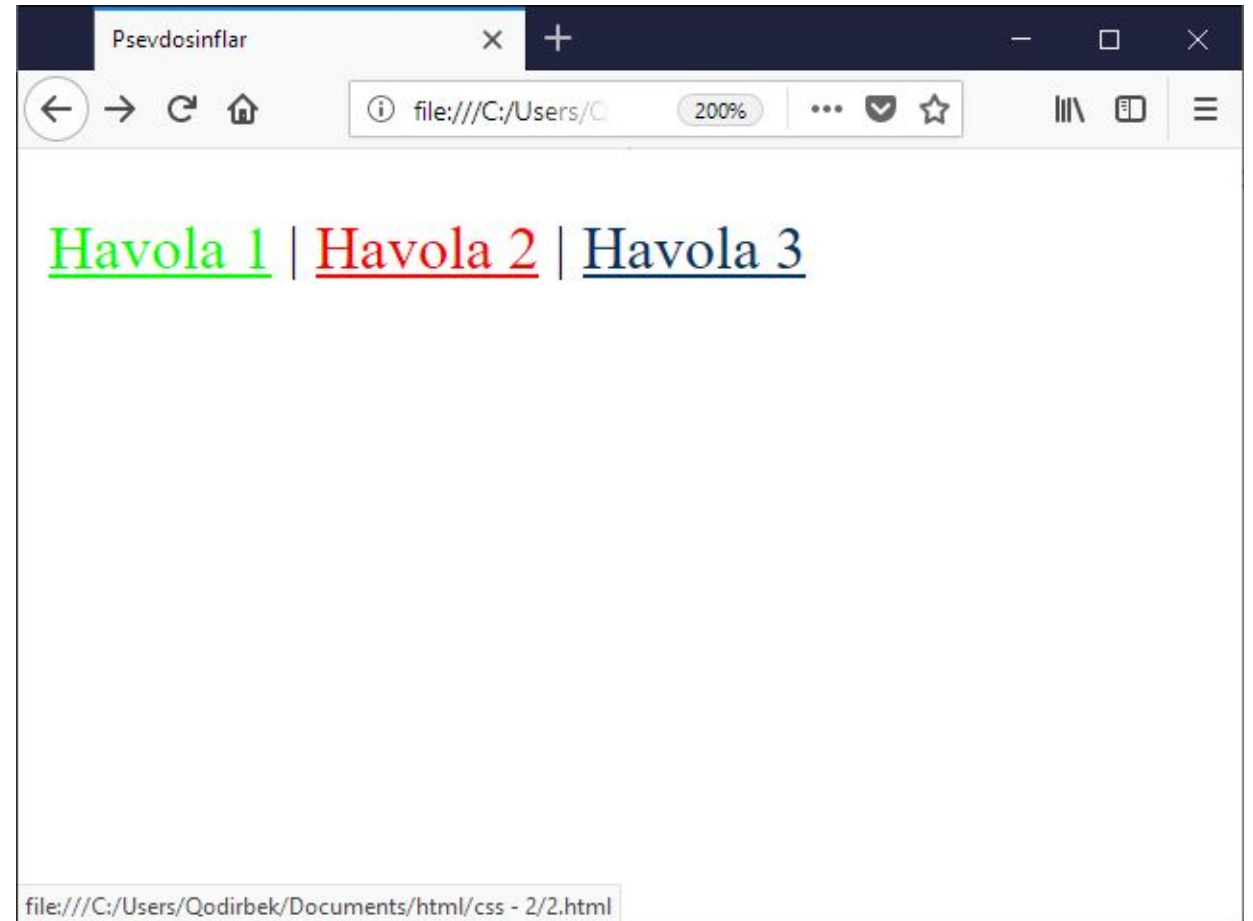
:read-write – "readonly" atributi bo'lmagan <input> elementi uchun

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

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

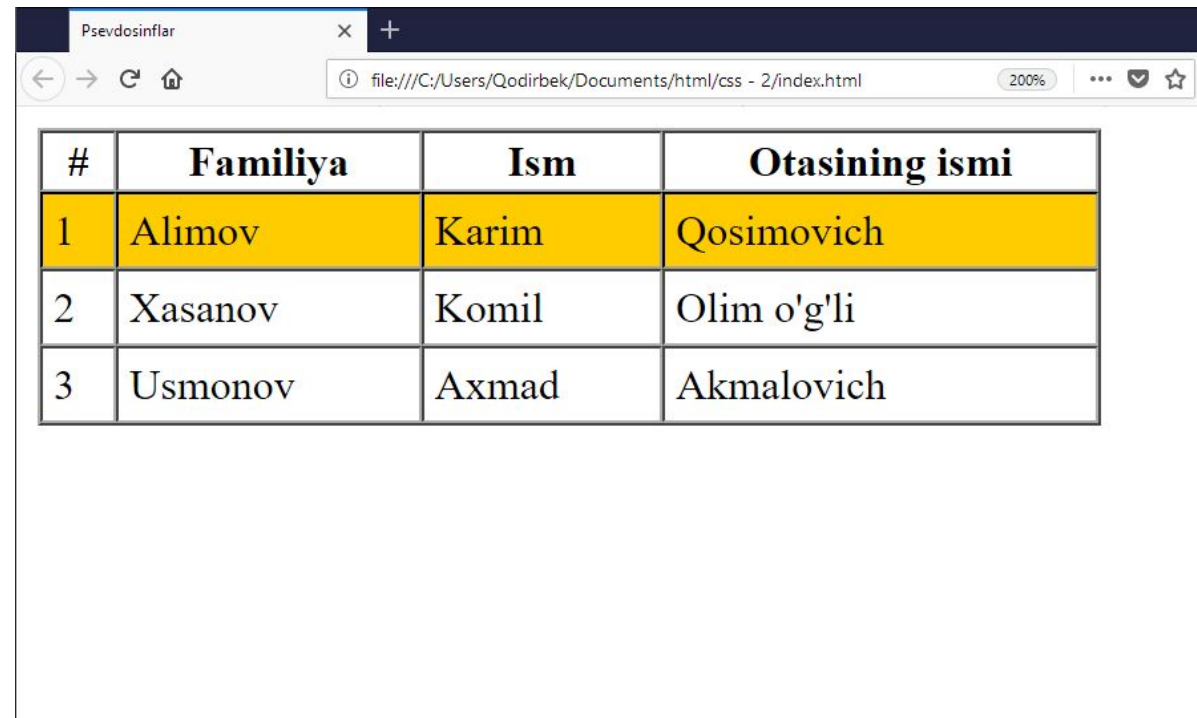
Element holatini aniqlovchi psevdosinflar

```
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>Otasining ismi</th>
  </tr>
  <tr>
    <td>1</td>
    <td>Alimov</td>
    <td>Karim</td>
    <td>Qosimovich</td>
  </tr>
  ...
</table>
```

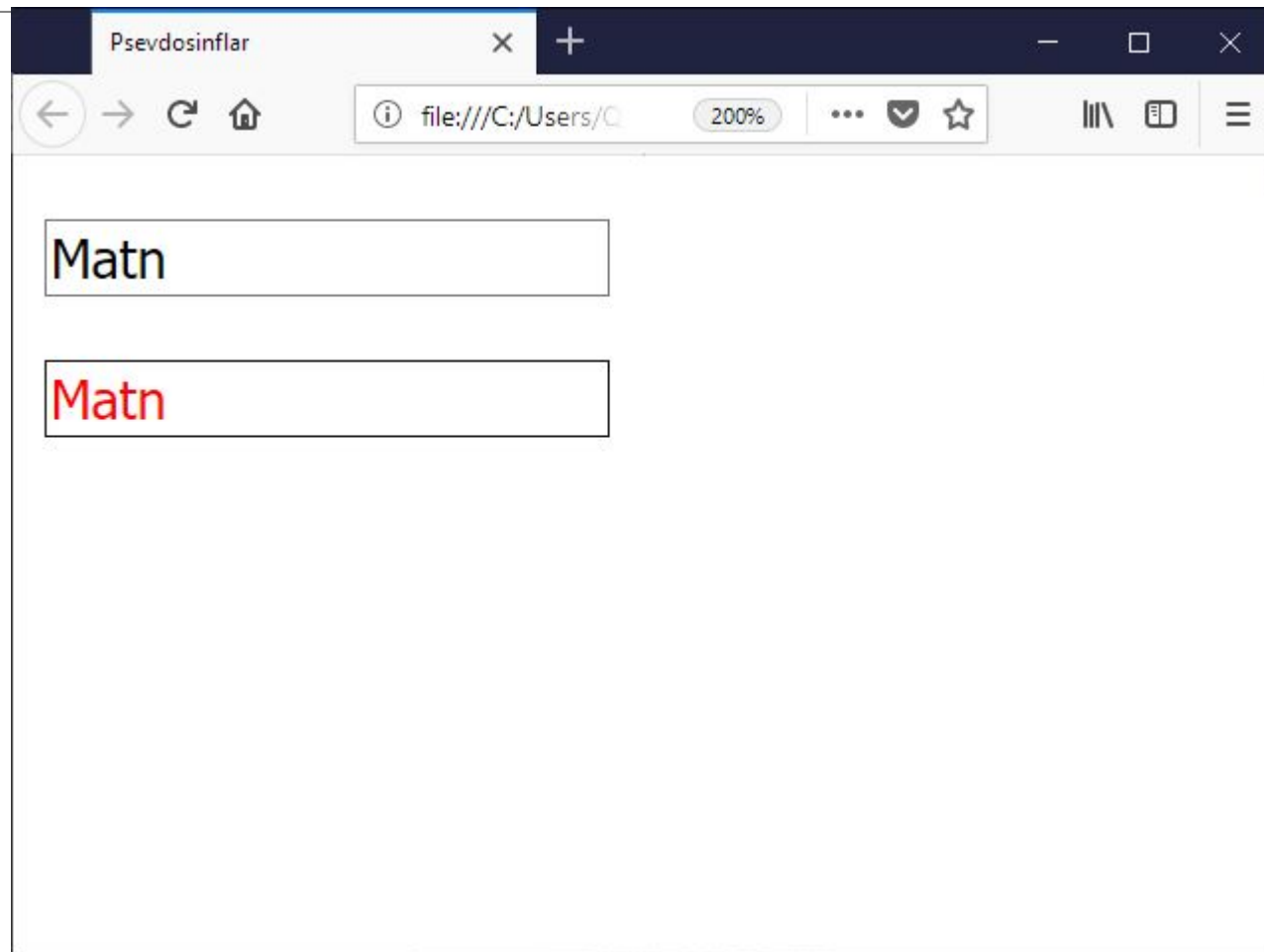


The screenshot shows a web browser window titled "Psevdosinflar" displaying a table with the following data:

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

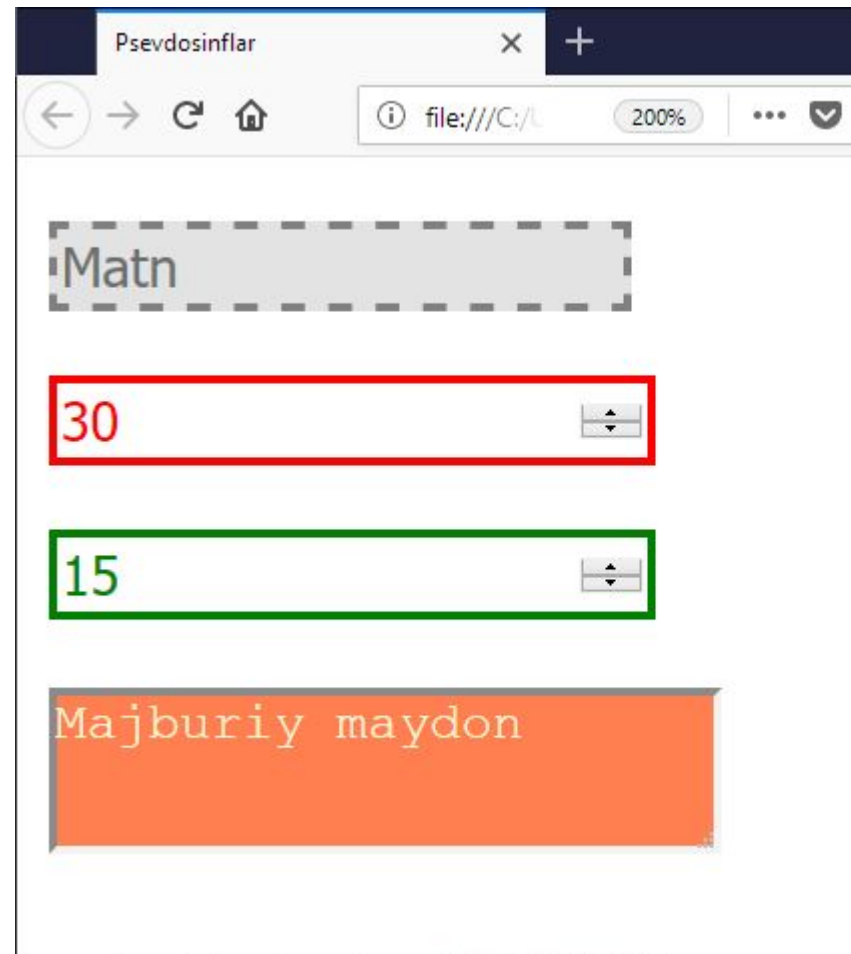
Element holatini aniqlovchi psevdosinflar

```
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 psevdosinlar

:empty – vorisi bo'lmagan 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'lmagan 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

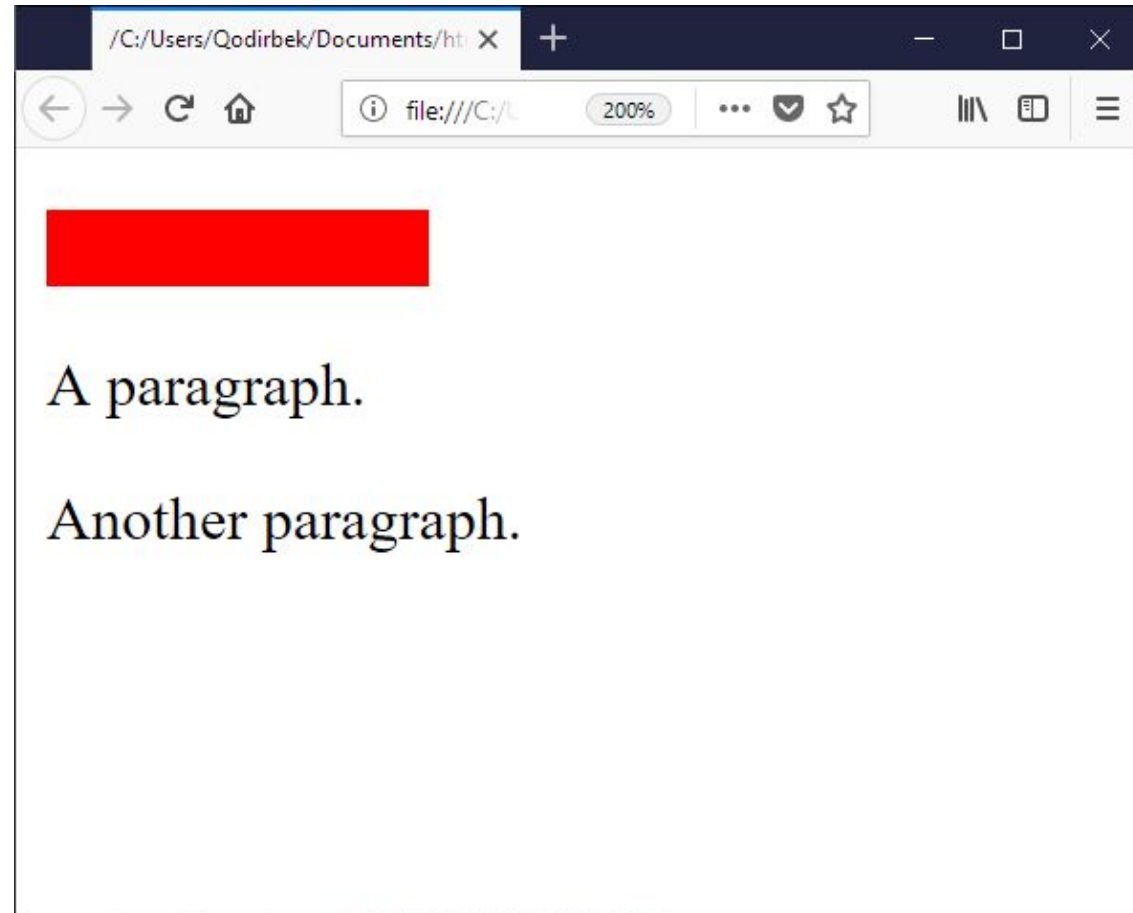
:only-of-type – o'zining ajdodiga yagona voris element uchun

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

:target – aktiv #id element uchun

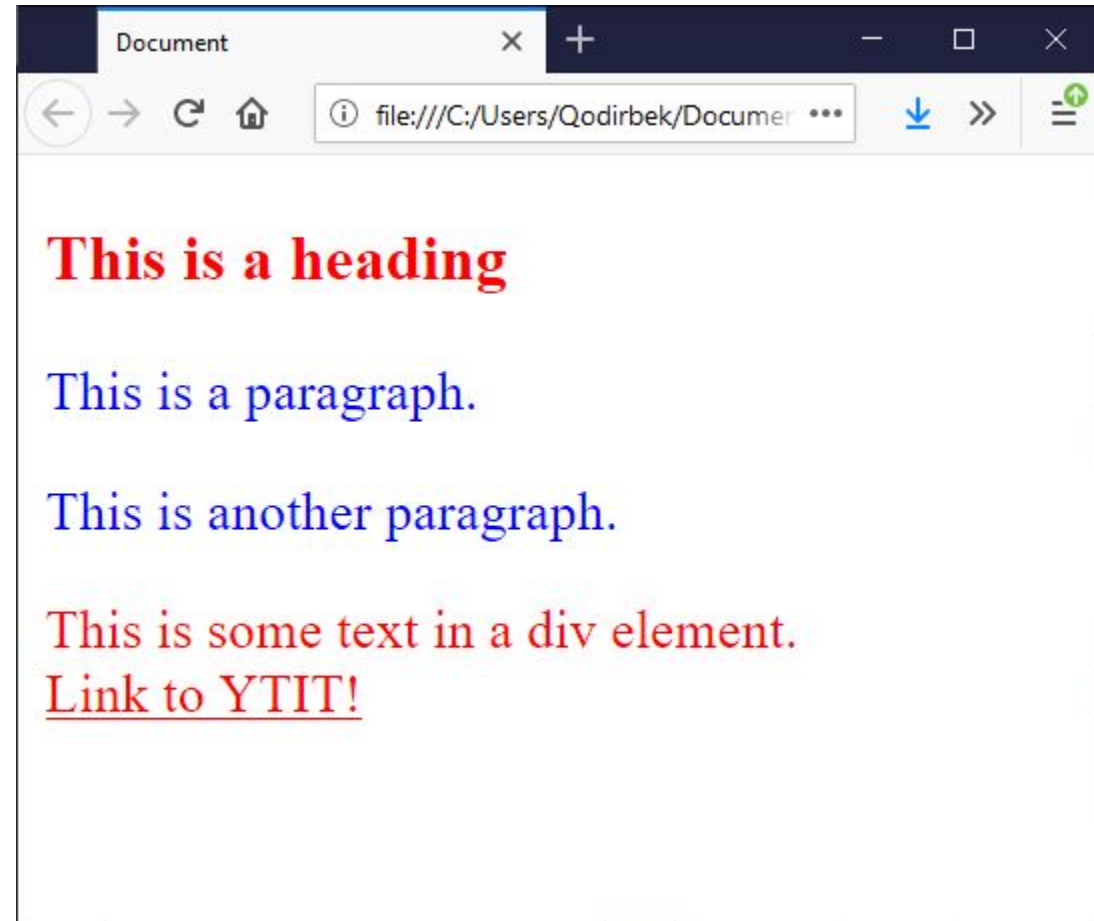
Elementlar ierarxiyasiga bog'liq psevdosinlar

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



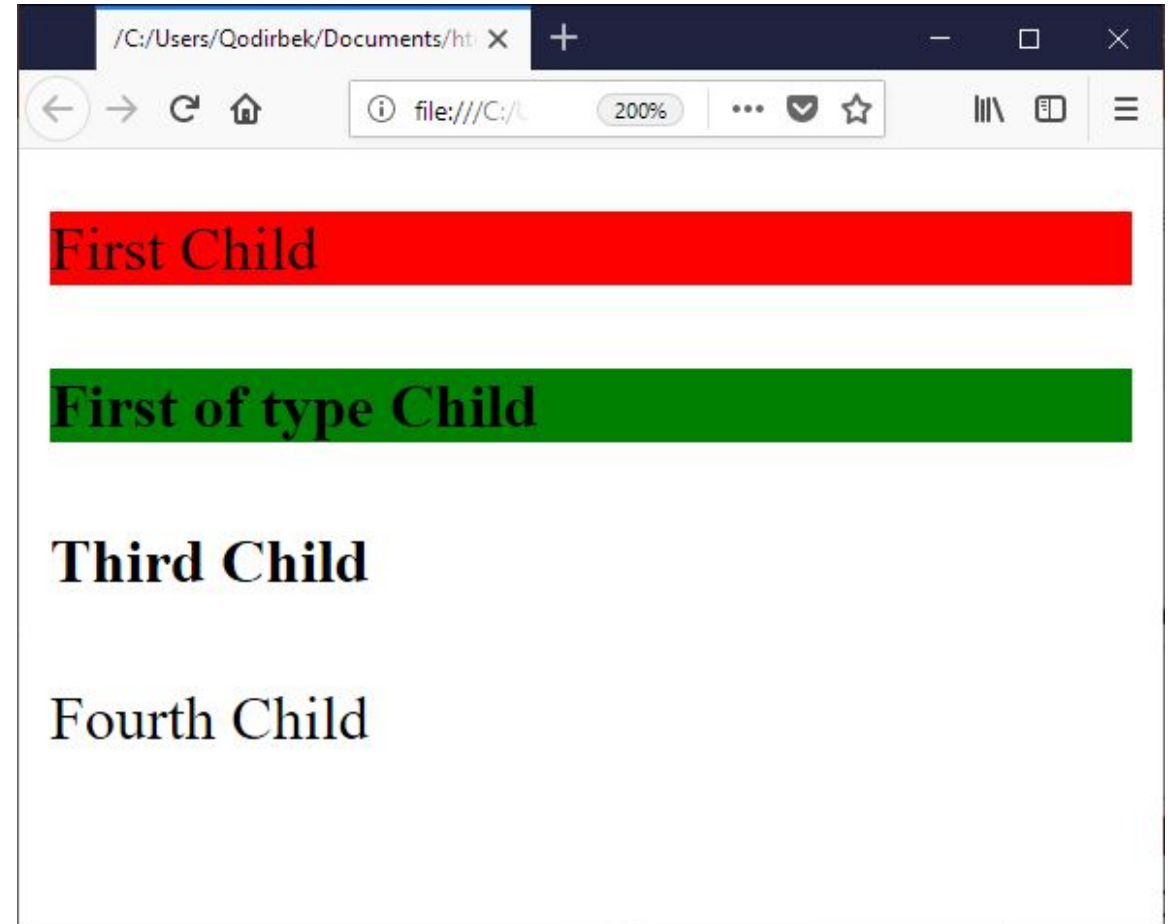
Elementlar ierarxiyasiga bog'liq psevdosinlar

```
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>
```

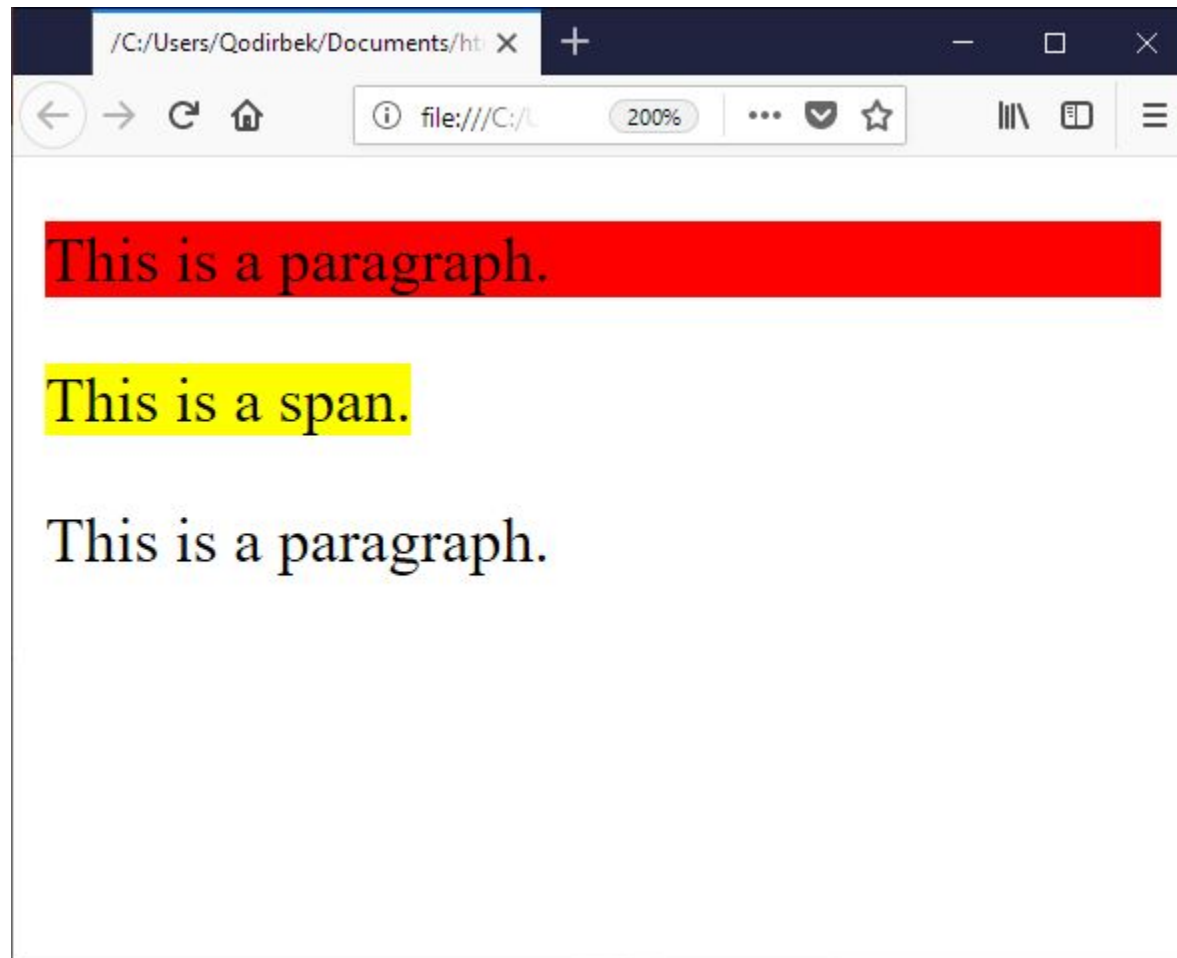


Elementlar ierarxiyasiga bog'liq psevdosinflar

```
<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

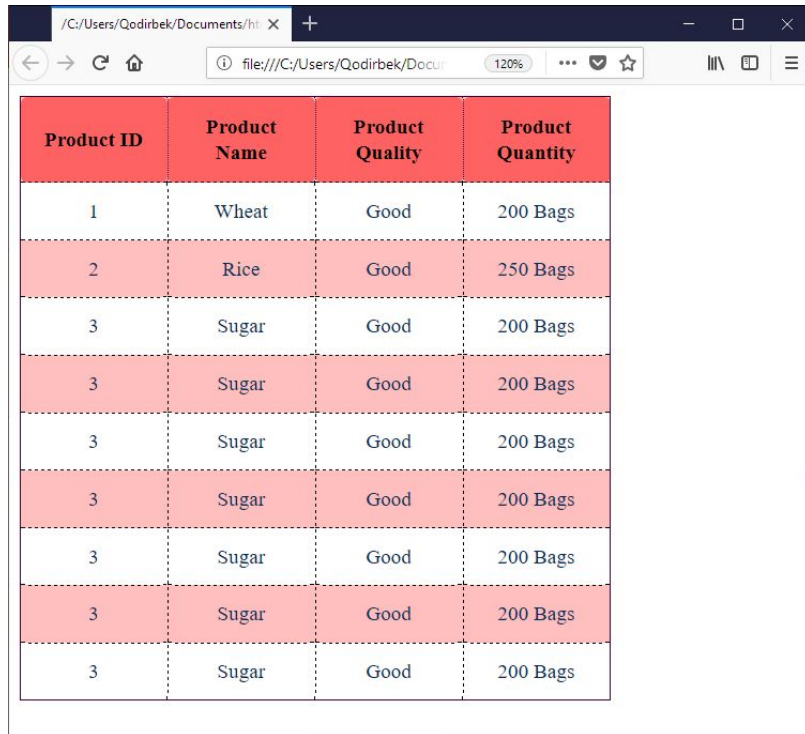
nth-qoidalar quyidagi qiymat qabul qilishi mumkin:

- 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

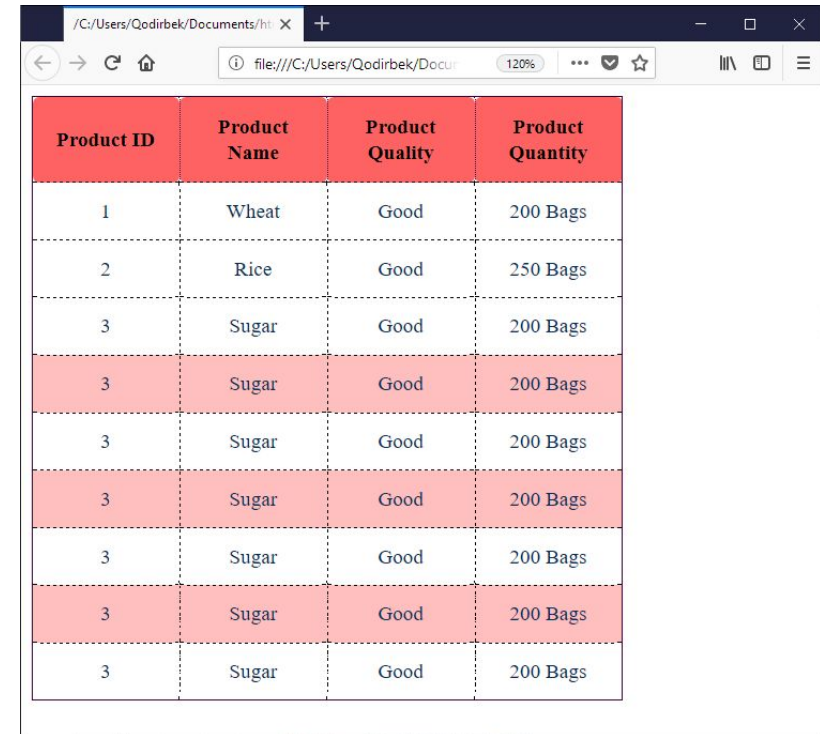
Elementlar ierarxiyasiga bog'liq psevdosinflar

```
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
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
3	Sugar	Good	200 Bags

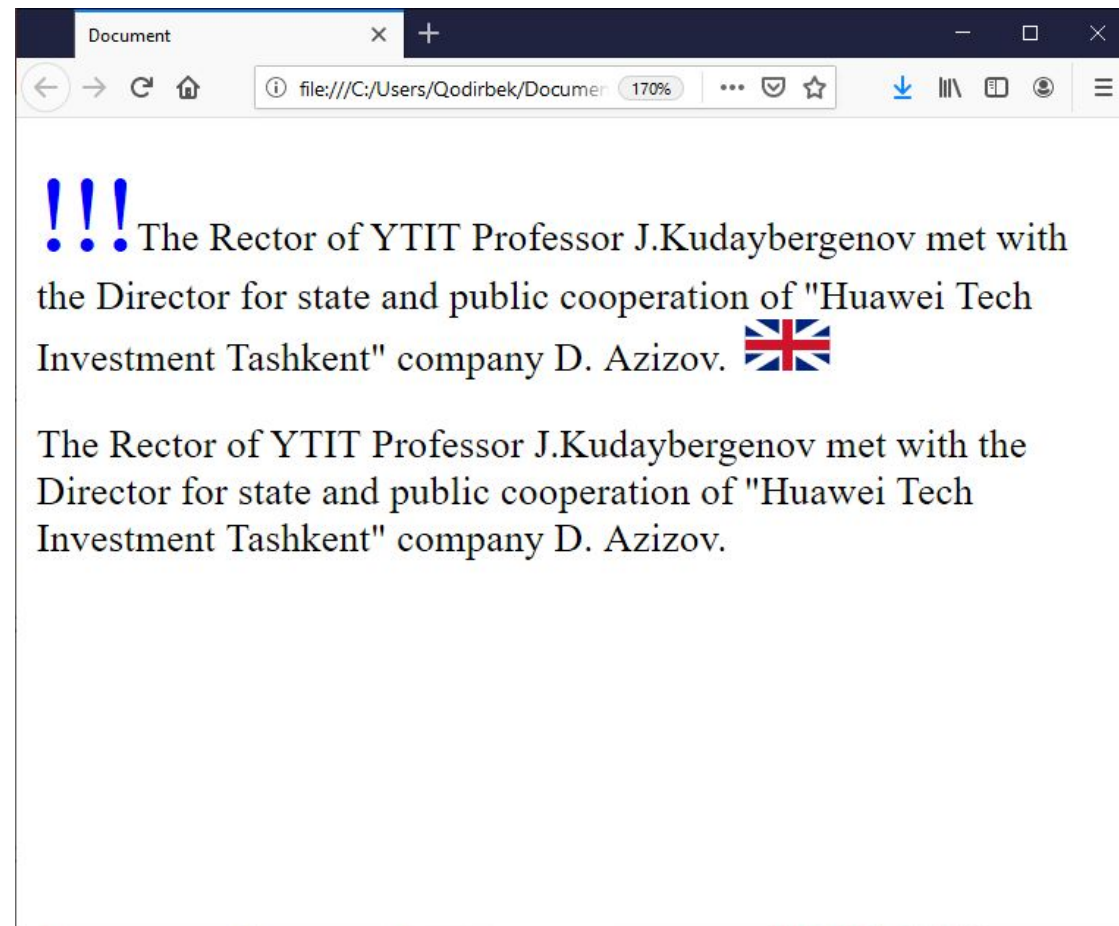
Psevdoelementlar

Psevdoelementlar – "virtual" element yaratish uchun ishlatiladi.

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

Psevdoelementlar

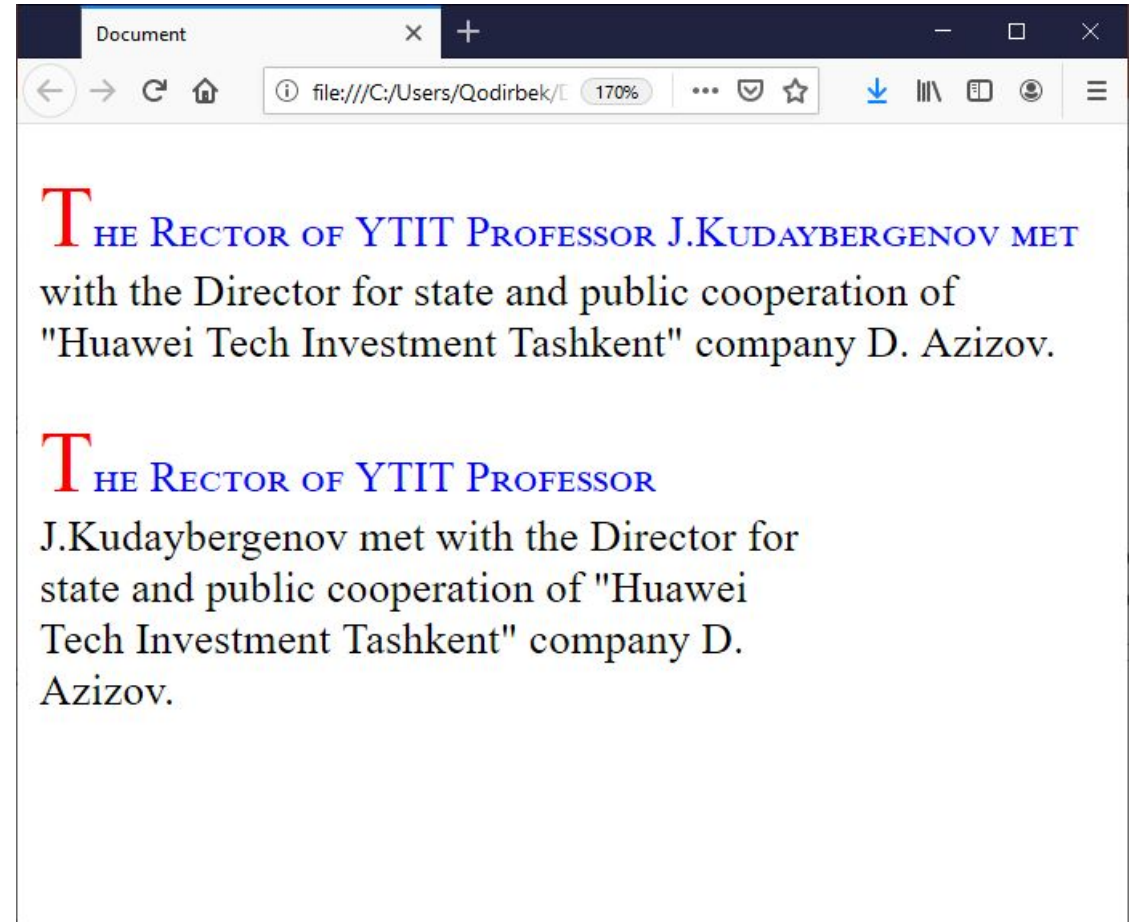
```
p.new::before {
  content: "!!!";
  color: blue;
  font: 40px Georgia;
}
p.new::after {
  content: "";
  width: 40px;
  height: 20px;
  background-image: url(images/flag-gb.svg);
  background-size: 40px 20px;
  background-repeat: no-repeat;
  display: inline-block;
}
...
<p class="new">The Rector 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>

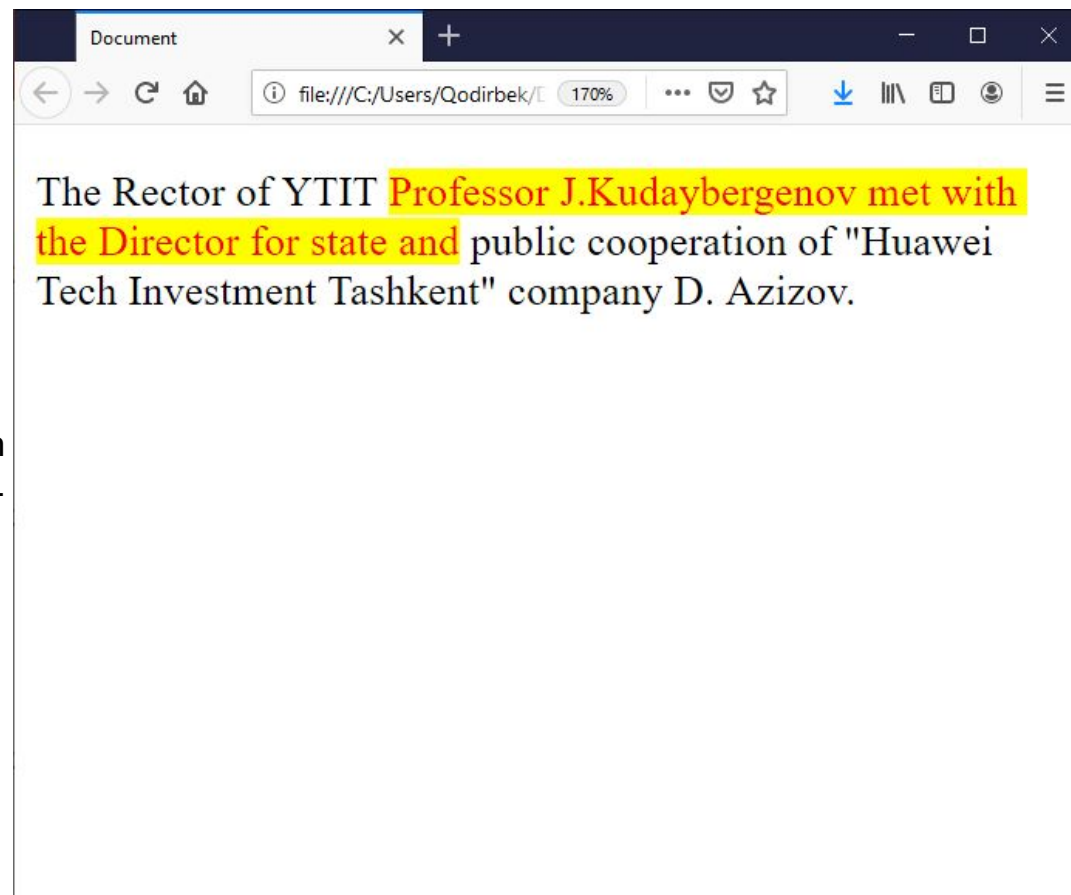
<div>
  <p>The Rector of YTIT Professor J.Kudaybergenov met
with the Director for state and public cooperation of
"Huawei Tech Investment Tashkent" company D. Azizov. </p>
</div>
```



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?
