Front End Technologies CSS - Day 9

Agenda

Pseudo classes continued



Combining first-child and last-child pseudo class:

Example:

index.html

```
<!boctype html>
<html>
<html>
<html>
<html>
clink rel="stylesheet" type="text/css" href="index.css">
</head>
</dody>
<div>
<div>
<html>
<html>
<html>
<html>
<html>
<html>
<html>
<html

<html>
<html

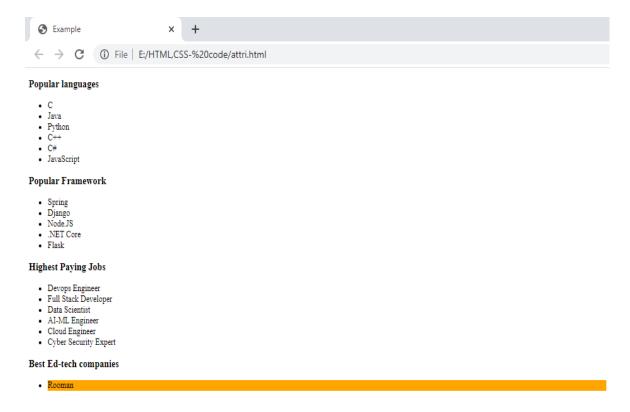
<html>
<html

<htm
```

index.css

```
li:first-child:last-child{
    background-color: orange;
}
```

Output:



In this example, only-child is selected using first-child and last-child pseudo class because only child is nothing but first and last child.

Example: Style the odd and even elements in the list using nthchild pseudo class

index.html

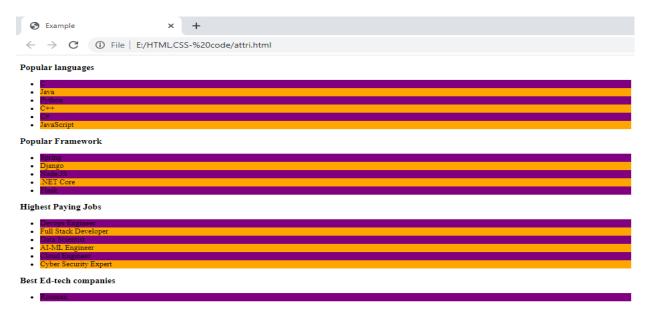
```
<iDOCTYPE html>
<html>
<html>
<html>
<html>
<html>
<tittle>Example</title>
clink rel="stylesheet" type="text/css" href="index.css">
</head>
<br/>
<br/>
<hody>
<div>
<h3>Popular languages</h3>

(li>C(li)<br/>
(li>Java
(li>Python
(li>Python
(li)-C(+
(li)-G(+
(li)-JavaScript
(li)-JavaScript
(li)-Spring
(li)-Spring
(li)-Spring
(li)-Spring
(li)-Net Core
(li>Net Core
(li)-Inst Core
(li)-Ins
```

index.css

```
li:nth-child(2n){
    background-color: orange;
}

li:nth-child(2n+1){
    background-color: purple;
}
```

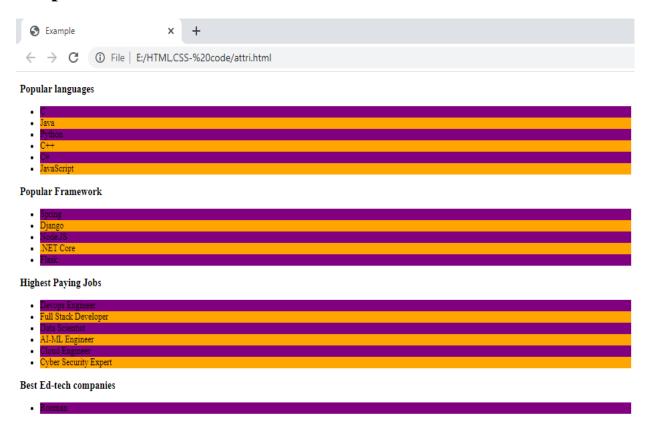


Here, nth-child(2n) will select all list items with even index numbers(2, 4, 6..etc) and nth-child(2n + 1) will select all list items with odd index numbers(1, 3, 5..etc). Instead of saying 2n and 2n + 1 in general you can say as even and odd as shown in below example.

index.css

```
li:nth-child(even){
    background-color: orange;
}

li:nth-child(odd){
    background-color: purple;
}
```

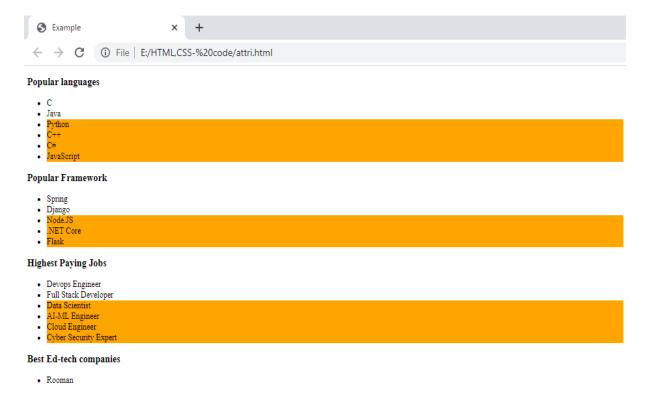


Example: Select range of values using nth-child

Index.css

```
li:nth-child(n + 3){
    background-color: orange;
}
```

Output:



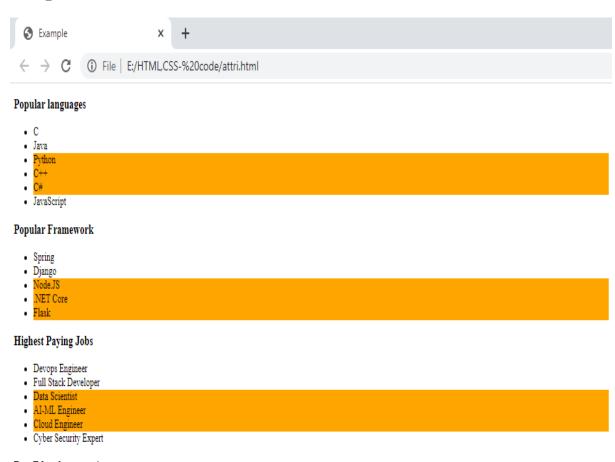
In this example, (n + 3) selects every row starting from 3. If you want to select every row starting from 5 means you can write as (n + 5).

Example: Selecting the values from 3^{rd} index to 5^{th} index.

index.css

```
li:nth-child(n + 3):nth-child(-n + 5){
   background-color: orange;
}
```

Output:



Best Ed-tech companies

• Rooman

In this example, we have applied 2 nth-child selectors to one-group of siblings.

Only-of-type: only-of-type selector in CSS represents only those element that has no siblings of the given type.

Example:

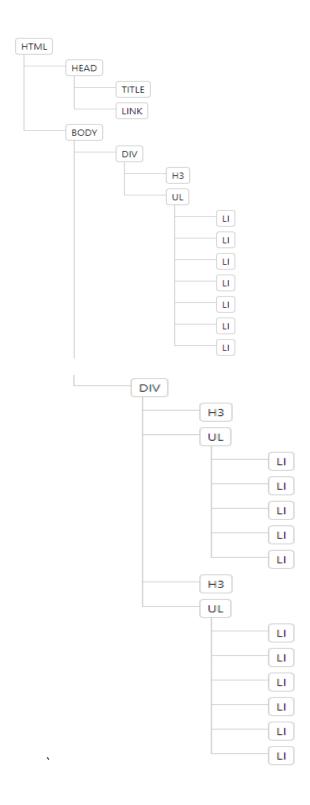
index.html

```
<title>Example</title>
rel="stylesheet" type="text/css" href="index.css">
  <h3>Popular languages</h3>
    Perl
    CJava
     Python
    C++C#
    JavaScript
  <h3>Popular Framework</h3>
    Spring
    Django
    Node.JS
    \li>.NET Core
    Flask
     <h3>Highest Paying Jobs</h3>
        Devops Engineer
        Full Stack Developer
        Data Scientist
        AI-ML Engineer
        Cloud Engineer
        Cyber Security Expert
```

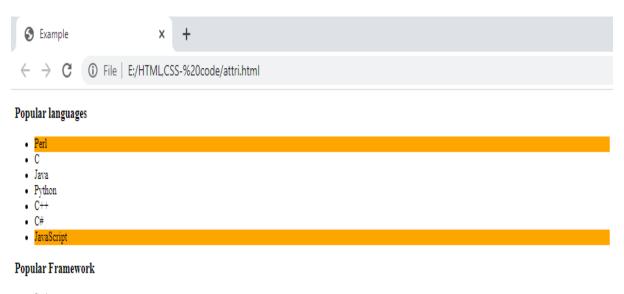
Index.css

```
ul:only-of-type > li:first-child,
ul:only-of-type > li:last-child{
    background-color: orange;
}
```

Tree Representation:



Output:



- Spring
- Django
- Node.JS
- .NET Core
- Flask

Highest Paying Jobs

- Devops Engineer
- · Full Stack Developer
- Data Scientist
- AI-ML Engineer
- Cloud Engineer
- · Cyber Security Expert

In this example, styling is applied to first and last li present inside first ul. Only-of-type is used to select first ul, first-child and last-child is used to select first and last li inside ul.

first-of-type: first-of-type pseudo-class selects an element that is the first element of its type in the list of children of its parent. Let's understand first-of-type pseudo class with an example.

Example:

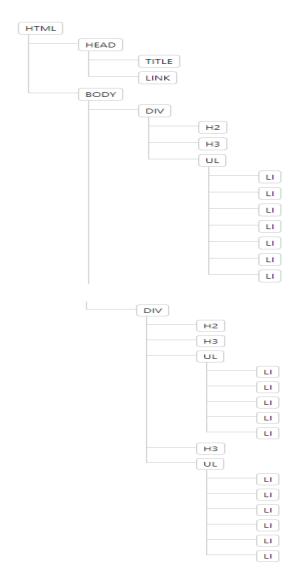
index.html

```
<!DOCTYPE html>
  <title>Example</title>
  <link rel="stylesheet" type="text/css" href="index.css">
</head>
<body>
     <h2>Dummy H2</h2>
<h3>Popular languages</h3>
        Perl
        C
        Java
        Python
        C++
        C#
        JavaScript
     </div>
   <div>
       <h2>Dummy H2</h2>
       <h3>Popular Framework</h3>
       <l
          Spring
          Django
          Node.JS
          \li>.NET Core
          Flask
       <h3>Highest Paying Jobs</h3>
          Devops Engineer
          Full Stack Developer
          Data Scientist
          AI-ML Engineer
          Cloud Engineer
          Cyber Security Expert
       </div>
</body>
</html>
```

index.css

```
div > ul:first-of-type{
   background-color: violet;
}
```

Tree representation:





Example: Styling of list inside ul using firs-of-type, last-of-type and nth-of-type

Index.html

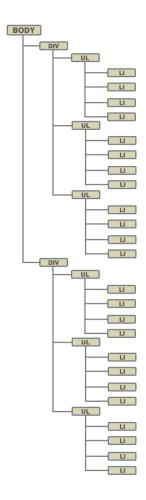
Index.css

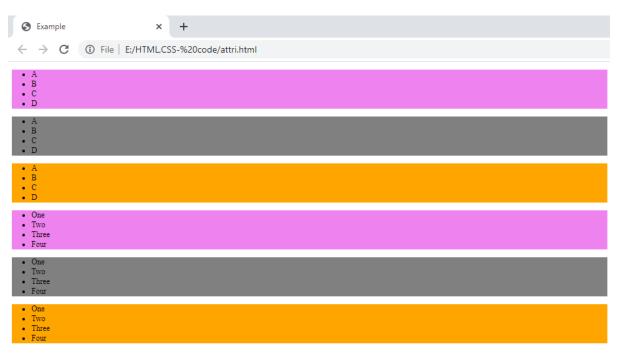
```
div > ul:first-of-type{
    background-color: violet;
}

div > ul:last-of-type{
    background-color: orange;
}

div > ul:nth-of-type(2){
    background-color: grey;
}
```

Tree representation:





Example: Styling of even and odd ul inside the div. (refer index.html f above example)

index.css

```
div > ul:nth-of-type(2n){
    background-color: grey;
}

div > ul:nth-of-type(2n + 1){
    background-color: violet;
}
```

Or

```
div > ul:nth-of-type(even){
    background-color: grey;
}

div > ul:nth-of-type(odd){
    background-color: violet;
}
```