

Course Name: O Level (1st Sem)

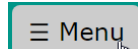
Subject Web Designing & Publishing (WDP)

Topic: W3.CSS – Sidebar (Clickable, Responsive)
[Part 14]

Date: 25-June-2020

W3.CSS – Sidebar (Clickable)

Clickable sidebar is one that appears when user clicks on menu icon. Using W3.CSS classes, it can be easily designed.

The below example shows a clickable sidebar. When webpage loads, the sidebar is hidden and the sidebar appears when user clicks on menu icon 

JavaScript code is also used to make the sidebar clickable. JavaScript **onclick** event is used and this onclick event executes JavaScript code when user clicks on HTML element where it is written/ called.

In below example, two buttons are used to open and close the sidebar

1. `<button class="w3-button w3-round-large w3-xlarge" id="openmenu" onclick="open_sidebar();">☰ Menu </button>`
2. `<button class="w3-button w3-right w3-xlarge" onclick="close_sidebar();"> Close X </button>`

On click event of these buttons, `open_sidebar()` & `close_sidebar()` function is called, that changes the CSS properties of the HTML Element.

- `document.getElementById("mysidebar").style.display="block"; | "none";`
- `document.getElementById("content").style.marginLeft="200px"; | "0px";`
- `document.getElementById("openmenu").style.display="none"; | "block";`

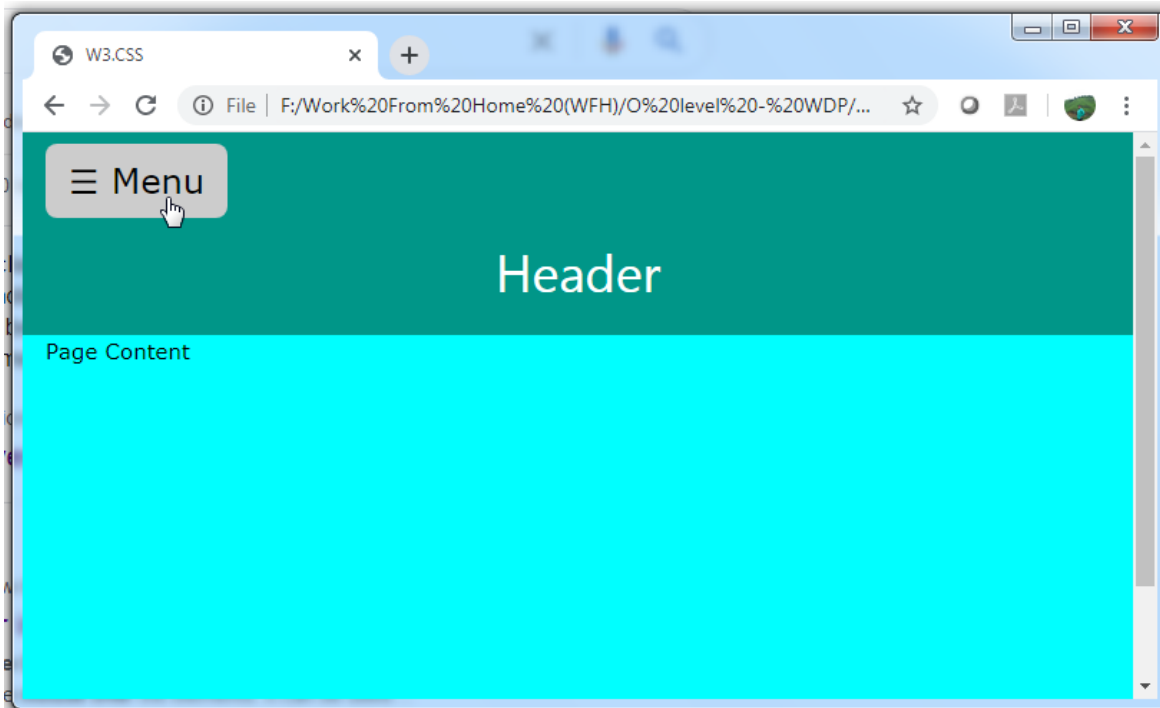
[This is the power of JavaScript that can change the value of CSS property on click event of element.]

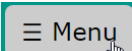
Code: W3CSS Sidebar Clickable

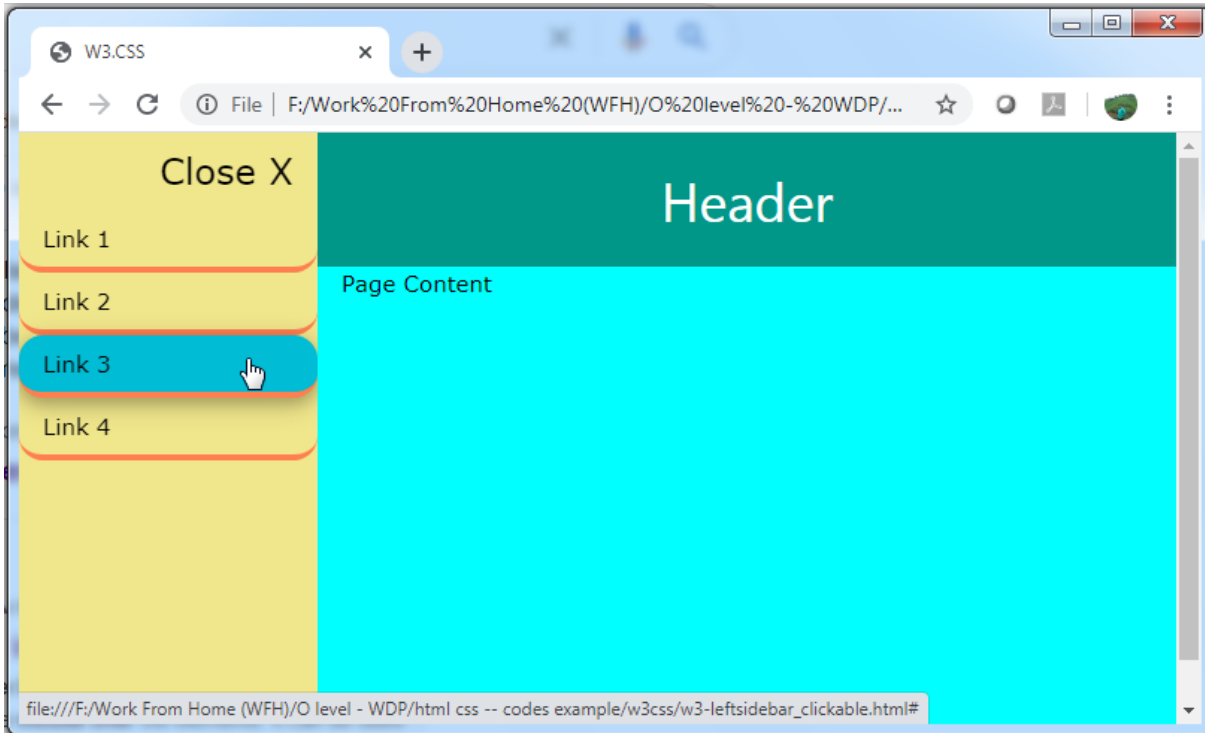
```
<html>
<head>
<title>W3.CSS</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<script>
function open_sidebar()
{
document.getElementById("mysidebar").style.display="block";
document.getElementById("content").style.marginLeft="200px";
document.getElementById("openmenu").style.display="none";
}
function close_sidebar()
{
document.getElementById("mysidebar").style.display="none";
document.getElementById("content").style.marginLeft="0px";
document.getElementById("openmenu").style.display="block";
}
</script>
</head>
<body>
<div class="w3-sidebar w3-khaki w3-animate-left" id="mysidebar"
style="display:none;">
    <div class="w3-bar-block">
        <button class="w3-button w3-right w3-xlarge"
onclick="close_sidebar();"> Close X </button>
        <a href="#" class="w3-bar-item w3-button w3-hover-cyan w3-hover-
shadow w3-round-xlarge" style="border-bottom:04px solid coral;"> Link 1 </a>
        <a href="#" class="w3-bar-item w3-button w3-hover-cyan w3-hover-
shadow w3-round-xlarge" style="border-bottom:04px solid coral;"> Link 2 </a>
        <a href="#" class="w3-bar-item w3-button w3-hover-cyan w3-hover-
```

```
shadow w3-round-xlarge" style="border-bottom:04px solid coral;"> Link 3 </a>
  <a href="#" class="w3-bar-item w3-button w3-hover-cyan w3-hover-
shadow w3-round-xlarge" style="border-bottom:04px solid coral;"> Link 4 </a>
</div>
</div>
<div id="content">
  <div class="w3-container w3-teal w3-padding">
    <button class="w3-button w3-round-large w3-xlarge" id="openmenu"
onclick="open_sidebar();">&#9776; Menu </button>
    <h1 class="w3-center"> Header </h1>
  </div>
  <div style="height:85%;" class="w3-container w3-aqua">
    Page Content
  </div>
</div>
</body>
</html>
```

Output: W3CSS Sidebar Clickable



When user will click on Menu  icon , sidebar will be opened as:

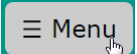


When sidebar will open, the contents other than sidebar will move 200px left from left side screen.

W3.CSS – Sidebar (Responsive)

Responsive sidebar is one that changes its style according to screen size to make its look better and give better user interface on different screen size. There are following classes of W3.CSS that are used to hide/display HTML element according to screen size:

- **w3-hide-large:** It hides the element on large screen.
- **w3-hide-medium:** It hides the element on medium screen.
- **w3-hide-small:** It hides the element on small screen.
- **w3-collapse:** It hides the element on small/medium screen and display the element on large screen.
- **w3-main:** It removes the left and right margin of the element on small/medium screen.

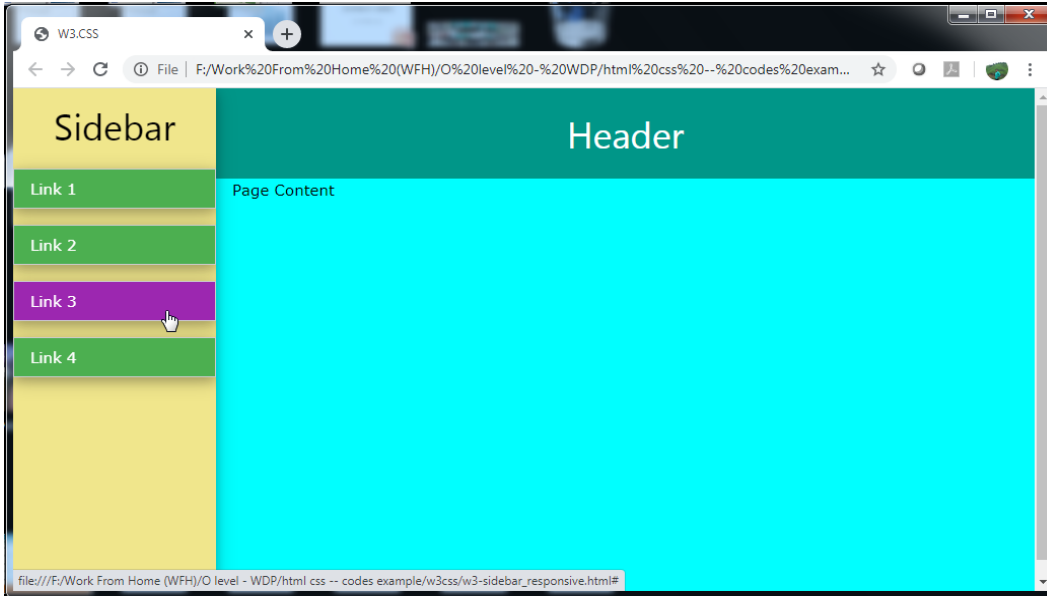
The following example shows a sidebar that is displayed on large screen wider than 992px, and hidden on medium/small screen and replaced with a clickable menu icon 

Code: W3CSS Sidebar Responsive

```
<html>
<head>
<title>W3.CSS</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<script>
function open_sidebar()
{
document.getElementById("mysidebar").style.display="block";
}
function close_sidebar()
{
document.getElementById("mysidebar").style.display="none";
```

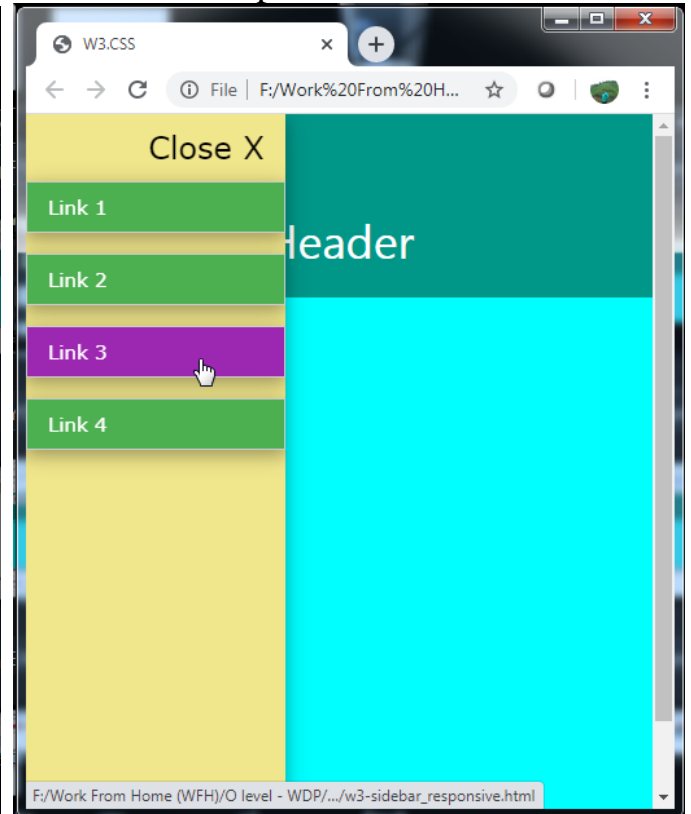
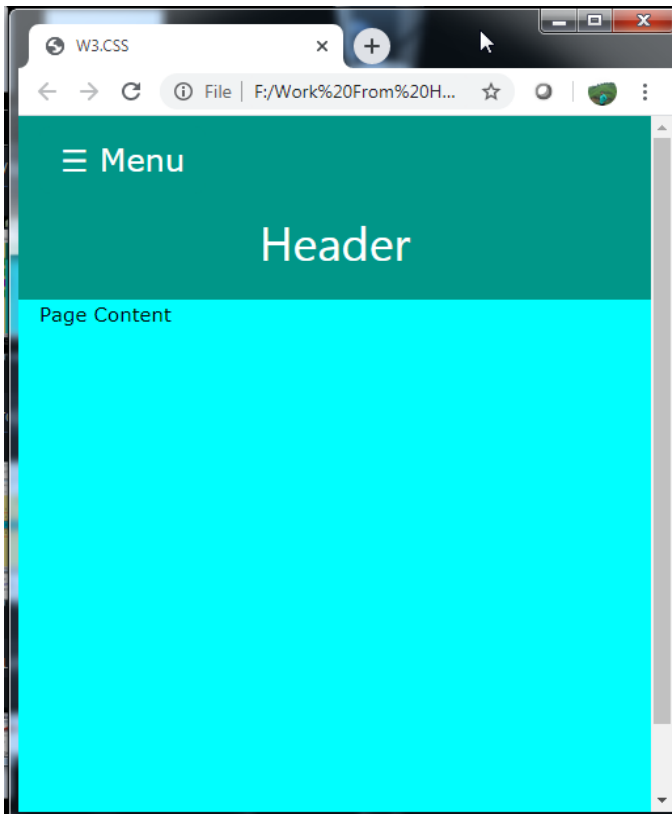
```
}
</script>
</head>
<body>
  <div class="w3-sidebar w3-khaki w3-animate-left w3-collapse w3-card-4"
  id="mysidebar">
    <div class="w3-bar-block">
      <button class="w3-button w3-right w3-xlarge w3-hide-large"
      onclick="close_sidebar();"> Close X </button>
      <h1 class="w3-hide-medium w3-hide-small w3-center"> Sidebar </h1>
      <a href="#" class="w3-bar-item w3-button w3-hover-purple w3-border w3-green
      w3-margin-top w3-card-4"> Link 1 </a>
      <a href="#" class="w3-bar-item w3-button w3-hover-purple w3-border w3-green
      w3-margin-top w3-card-4"> Link 2 </a>
      <a href="#" class="w3-bar-item w3-button w3-hover-purple w3-border w3-green
      w3-margin-top w3-card-4"> Link 3 </a>
      <a href="#" class="w3-bar-item w3-button w3-hover-purple w3-border w3-green
      w3-margin-top w3-card-4"> Link 4 </a>
    </div>
  </div>
  <div class="w3-main" style="margin-left:200px">
    <div class="w3-container w3-teal w3-padding">
      <button class="w3-button w3-round-large w3-xlarge w3-hide-large"
      id="openmenu" onclick="open_sidebar();"> Menu </button>
      <h1 class="w3-center"> Header </h1>
    </div>
    <div style="height:85%;" class="w3-container w3-aqua">
      Page Content
    </div>
  </div>
</body>
</html>
```

Output: W3CSS Sidebar Responsive [On Large Screen]



[On Small/Medium Screen]

When user will click on Menu icon , sidebar will be opened as:



Exercise:

1. Create a webpage that has responsive horizontal navigation menu.

