

CSS | DropDowns

Dropdowns are one of the most important parts of an interactive website. CSS is used to design the drop-down menus. A drop-down is a bunch of lists under an unordered list i.e. `` as it is popularly known in HTML world. Nested list (``) tags under the `` tag used to create drop-down structure. To bring out the effects use CSS for the components present in the structure. The CSS is very straightforward property used to create the drop-down menu.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Dropdown property</title>
  </head>
  <body>
    <nav>
      <ul>
        <li class="Lev-1">
          <a href="">Level-1</a>
          <ul>
            <li><a href="">Link 1</a></li>
            <li><a href="">Link 2</a></li>
            <li><a href="">Link 3</a></li>
            <li><a href="">Link 4</a></li>
          </ul>
        </li>
      </ul>
    </nav>
  </body>
</html>
```

Example: Adding CSS property in HTML structure to create interactive drop-down structure.

```
<!DOCTYPE html>
<html>
```

```
<head>
<title>Navigation property</title>
<style>
  a {
    color: white;
    background-color:#990;
    text-decoration: none;
  }
  nav{
    background: #333;
  }
  nav >ul{ margin: 0 auto; width: 80px; }
  nav ul li{
    display: block;
    float: left;
    margin-left:-40px;
    position: relative;
  }
  nav ul a{
    display: block;
    float: left;
    width: 150px;
    padding: 10px 20px;
  }
  nav ul a:hover{
    background: #090;
  }
  nav ul li ul li{
    float: none;
  }
  nav ul li ul{
    display: none;
    position: absolute;
    background: #333;
    top: 42px;
  }
  nav ul li:hover>ul{
```

```

        display: block;
    }
    nav ul li a{
        display: block;
    }
    .gfg {
        font-size:40px;
        font-weight:bold;
        color:#009900;
        Text-align:center;
    }
    p {
        font-size:20px;
        font-weight:bold;
        text-align:center;
    }
</style>
</head>
<body>
    <div class="gfg">GeeksforGeeks</div>
    <p>Dropdown Navigation property</p>
    <nav>
        <ul>
            <li class="Lev-1">
                <a href="">Level-1</a>
                <ul>
                    <li><a href="">Link 1</a></li>
                    <li><a href="">Link 2</a></li>
                    <li><a href="">Link 3</a></li>
                    <li><a href="">Link 4</a></li>
                </ul>
            </li>
        </ul>
    </nav>
</body>
</html>

```

The above-written code producing a proper output on the basis of a drop-down structure. Important parts of HTML code are discussed below:

- nav is the outermost container
- nav ul li ul li – float is set to none so that it remains intact when we hover over it.
- Use relative position so that li moves or changes its position relative to its component.
- Use ‘>’ after hover to see the effect of hover on the immediate next ul of the li.

Right-aligned Dropdown: Right aligned dropdown is a dropdown that float value is right to display drop-down content on the right screen. Add float right to the div which holds the content.

```
<!DOCTYPE html>
<html>
  <head>
    <title>right-aligned dropdown content property</title>
    <style>
      #drop {
        background-color: teal;
        color: white;
        padding: 10px;
        font-size: 16px;
        width: : 200px;
        height: : 60px;
        border-radius: 5px;
        font-size: 20px;
      }
      #drop-down {
        position: relative;
        display: inline-block;
      }
      #dropdown-menu {
        display: none;
        position: absolute;
```

```

        background-color: #666;
        width: 160px;
        margin-left:-45px;
        border-radius: 5px;
        z-index: 1;
    }
    #dropdown-menu a {
        color: black;
        padding: 12px 16px;
        text-decoration: none;
        display: block;
    }
    .gfg {
        font-size:40px;
        font-weight: bold;
        color:#009900;
        Text-align: center;
    }
    p {
        font-size:20px;
        font-weight: bold;
        text-align: center;
    }
    #dropdown-menu a:hover {background-color: #ddd;}
    #drop-down: hover #dropdown-menu {display: block;}
</style>
</head>
<body>
    <div class="gfg">GeeksforGeeks</div>
    <p>Right-aligned Dropdown content property</p>
    <div id="drop-down" style=" float: right; margin-right: 70px;">
        <button id="drop">DropDown</button>
        <div id="dropdown-menu">
            <a href="">Item 1</a>
            <a href="">Item 2</a>
            <a href="">Item 3</a>
            <a href="">Item 4</a>

```

```
        </div>
    </div>
</body>
</html>
```

Image Dropdown: It is not a dropdown but enlarges the image on which you hover. Needs basic CSS and an image to make it work.

Example:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Image Dropdown</title>
    <style>
      .dropdown {
        position: relative;
        display: inline-block;
        margin-left: 150px;
      }
      .sub-dropdown {
        display: none;
        position: absolute;
      }
      .dropdown:hover .sub-dropdown {
        display: block;
      }
      .enlarge {
        padding: 15px;
        text-align: center;
      }
      .gfg {
        margin-left: 40px;
        font-size: 30px;
        font-weight: bold;
      }
    </style>
  </head>
```

```

<body>
  <div class = "gfg">Image Dropdown property</div>
  <div class="dropdown">
    
    <div class="sub-dropdown">
      
    </div>
  </div>
</body>
</html>

```

Clicked Drop-downs: This requires basic understanding of JavaScript as it is used to run some functions to make the clicked drop-down work.

Example:

```

<!DOCTYPE html>
<html>
  <head>
    <title>clicked dropdown</title>
    <style type="text/css">
      button {
        background: #009900;
        width: 200px;
        height: 60px;
        color: white;
        border: 1px solid #fff;
        font-size: 20px;
        border-radius: 5px;

      }
      ul li {
        list-style: none;
      }
      ul li a {

```

```

display: block;
background: #c99;
width: 200px;
height: 50px;
text-decoration: none;
text-align: center;
padding: 10px;
border-radius: 5px;
text-align: center;
color: white;
font-size: 25px;
}
ul li a {
    text-decoration: none;
}
ul li a:hover {
    background: #009900;
}
.open {display: none;}
.gfg {
    font-size:40px;
    font-weight:bold;
    color:#009900;
    Text-align:center;
}
p {
    font-size:20px;
    font-weight:bold;
    text-align:center;
}
</style>
<script type="text/javascript">
function open_menu(){
    var clicked= document.getElementById('drop-menu');
    if(clicked.style.display=='block')
    {
        clicked.style.display='none';
    }
}

```



```
    }
    else{
        clicked.style.display='block';
    }
}
</script>
</head>
<body>
    <div class="gfg">GeeksforGeeks</div>
    <p>Clicked Dropdown content property</p>
    <div id="dropdown">
        <button onclick="open_menu()">Click Me!</button>
        <div class="open" id="drop-menu">
            <ul>
                <li><a href="">Item-1</a></li>
                <li><a href="">Item-2</a></li>
                <li><a href="">Item-3</a></li>
                <li><a href="">Item-4</a></li>
            </ul>
        </div>
    </div>
</body>
</html>
```