

슬라이드 애니메이션

HTML :

```
<div id="wrap">
  <div id="visual">
    <ul>
      <li class="visual0"><h1>배너이미지1</h1></li>
      <li class="visual1"><h1>배너이미지2</h1></li>
      <li class="visual2"><h1>배너이미지3</h1></li>
      <li class="visual3"><h1>배너이미지4</h1></li>
    </ul>
  </div>
  <ul id="page">
    <li class="on"><a href="#">배너1</a></li>
    <li><a href="#">배너2</a></li>
    <li><a href="#">배너3</a></li>
    <li><a href="#">배너4</a></li>
  </ul>
  <ul id="btn">
    <li class="prev">이전</li>
    <li class="next">다음</li>
  </ul>
</div>
</div>
```

CSS : style.css

```
@charset "UTF-8";
```

```
* {
  margin: 0;
  padding: 0;
}
ul {
  list-style: none;
}
#wrap {
  width: 500px;
  margin: 0 auto;
}
#visual {
  position: relative;
  width: 100%;
  height: 500px;
  overflow: hidden;
```

```
}
#visual ul {
  position: relative;
  width: 100%;
  height: 100%;
}
#visual ul li {
  position: absolute;
  width: 100%;
  height: 100%;
  text-align: center;
  line-height: 500px;
}
#visual .visual0 {
  left: 0;
  background: #f00;
}
#visual .visual1 {
  left: 100%;
  background: #0f0;
}
#visual .visual2 {
  left: 200%;
  background: #0ff;
}
#visual .visual3 {
  left: 300%;
  background: #f0f;
}

#page li {
  background: #000;
  display: inline-block;
  width: 10px;
  height: 10px;
  border-radius: 50%;
  position: relative;
  left: 40%;
  bottom: 50px;
  margin: 0 5px;
  cursor: pointer;
}
#page li a {
  display: block;
```

```
        text-indent: -9999px;
    }
    #page li.on {
        background: #fff;
    }
    #btn {
        clear: both;
        text-align: center;
    }
    #btn li {
        cursor: pointer;
        width: 100px;
        border: 1px solid #000;
        text-align: center;
        display: inline-block;
    }
```

script

```
$(function () {
    let current = 0;
    function move(i) {
        if (current == i) return;
        $("#visual>ul>li")
            .eq(current)
            .css({ left: "0" })
            .animate({ left: "-100%" });
        $("#visual>ul>li").eq(i).css({ left: "100%" }).animate({ left: "0" });
        current = i;
    }

    $("#page>li").click(function (e) {
        e.preventDefault();
        let i = $(this).index();
        $("#page>li").removeClass("on");
        $(this).addClass("on");
        move(i);
    });
    let interval = setInterval(timer, 1000);
```

```
function timer() {
  let n = current + 1;
  if (n == $("#visual>ul>li").length) {
    n = 0;
  }
  $("#page>li").eq(n).trigger("click");
}

function timer_prev() {
  let n = current - 1;
  if (n == $("#visual>ul>li").length) {
    n = 0;
  }
  console.log("n : " + n);
  $("#page>li").eq(n).trigger("click");
}

$(".next").click(function () {
  timer();
});

$(".prev").click(function () {
  timer_prev();
});

$("#page, #btn").hover(
  function () {
    clearInterval(interval);
  },
  function () {
    interval = setInterval(timer, 1000);
  }
);
});
```

마우스휠 스크롤 이벤트
스크롤 상하

HTML :

```
<ul id="menu">
  <li class="on"><a href="#"> </a> </li>
  <li><a href="#"> </a> </li>
  <li><a href="#"> </a> </li>
  <li><a href="#"> </a> </li>
</ul>
<div id="wrap">
  <section>
    <article> </article>
  </section>
  <section>
    <article> </article>
  </section>
  <section>
    <article> </article>
  </section>
  <section>
    <article> </article>
  </section>
</div>
```

CSS:

```
* {
  margin: 0;
  padding: 0;
}
html,
body {
  width: 100%;
  height: 100%;
}
body {
  overflow: hidden;
}
#menu {
  position: fixed;
  top: 50%;
  left: 0;
  margin-top: -100px;
  z-index: 15;
}
#menu li a {
  display: block;
```

```

        width: 10px;
        height: 10px;
        background: #000;
        opacity: 0.8;
        transition: all 0.5s;
    }
    #menu li:hover a {
        font-size: 24px;
        opacity: 1;
        color: #fff;
        border-color: #fff;
    }
    #menu li.on a {
        background: #fff;
        border-color: #d4164c;
        font-size: 24px;
        opacity: 1;
    }
    section {
        width: 100%;
        height: 100%;
        position: relative;
    }
    section:nth-child(1) {
        background: red;
    }
    section:nth-child(2) {
        background: yellow;
    }
    section:nth-child(3) {
        background: blue;
    }
    section:nth-child(4) {
        background: green;
    }
}

```

script:

```

$(function () {
    let ht = $(window).height();
    $("section").height(ht);

    $(window).scroll(function () {
        let ht = $(window).height();
        let t = $(window).scrollTop();
        /*console.log("t :"+t);*/
        if (t >= ht * 0 && t < ht * 1) {
            $("#menu li").removeClass("on");
        }
    });
});

```

```

        $("#menu li").eq(0).addClass("on");
    } else if (t >= ht * 1 && t < ht * 2) {
        $("#menu li").removeClass("on");
        $("#menu li").eq(1).addClass("on");
    } else if (t >= ht * 2 && t < ht * 3) {
        $("#menu li").removeClass("on");
        $("#menu li").eq(2).addClass("on");
    } else if (t >= ht * 3 && t < ht * 4) {
        $("#menu li").removeClass("on");
        $("#menu li").eq(3).addClass("on");
    }
});
//section위에서 마우스 휠을 움직이면
$("section").on("mousewheel", function (event, delta) {
    console.log(delta);
    //마우스 휠을 올렸을때
    if (delta > 0) {
        if ($(this).next() != undefined) {
            try {
                let prev = $(this).prev().offset().top;
                console.log("prev : " + prev);
                //문서 전체를 prev에 저장된 위치로 이동
                $("html,body")
                    .stop()
                    .animate({ scrollTop: prev }, 1400, "easeOutBounce");
            } catch (e) {}
        }
        //변수 prev에 현재 휠을 움직인 section에서 이전 section의 offset().top위치 저장

        //마우스 휠을 내렸을때
    } else if (delta < 0) {
        //변수 next에 현재 휠을 움직인 section에서 다음 section의 offset().top위치 저장
        let next = $(this).next().offset().top;
        //문서 전체를 next에 저장된 위치로 이동
        $("html,body").stop().animate({ scrollTop: next }, 1400, "easeOutBounce");
    }
});
$("#menu li").click(function () {
    let num = $(this).index();
    let nowTop = num * ht;
    console.log("nowTop : " + nowTop);
    $("html, body")
        .stop()
        .animate({ scrollTop: nowTop }, 1000, "easeOutBounce");
});
});

```

스크롤 상하

HTML :

```
<body>
  <div class="box" style="background-color: red">1</div>
  <div class="box" style="background-color: orange">2</div>
  <div class="box" style="background-color: yellow">3</div>
  <div class="box" style="background-color: green">4</div>
  <div class="box" style="background-color: blue">5</div>
  <div class="box" style="background-color: indigo">6</div>
  <div class="box" style="background-color: violet">7</div>
</body>
```

CSS:

```
* {
  margin: 0;
  padding: 0;
}
html,
body {
  width: 100%;
  height: 100%;
}
body {
  overflow: hidden;
}
.box {
  width: 100%;
  height: 100%;
  position: relative;
  color: #ffffff;
  font-size: 24pt;
}
```

script:

```
let elm = $(".box");
$(elm).each(function (index) {
  // 개별적으로 Wheel 이벤트 적용
  $(this).on("mousewheel", function (e) {
    e.preventDefault();
    console.log(event.wheelDelta);
    let delta = event.wheelDelta / 120;
    let moveTop = $(window).scrollTop();
    let elmSelector = $(elm).eq(index);
```



```
// 마우스휠을 위에서 아래로
if (delta < 0) {
    if ($(elmSelector).next() != undefined) {
        try {
            moveTop = $(elmSelector).next().offset().top;
        } catch (e) {}
    }
    // 마우스휠을 아래에서 위로
} else {
    if ($(elmSelector).prev() != undefined) {
        try {
            moveTop = $(elmSelector).prev().offset().top;
        } catch (e) {}
    }
}
// 화면 이동 0.8초(800)
$("html,body")
    .stop()
    .animate({ scrollTop: moveTop + "px" }, 800);
});
});
});
```

스크롤 좌우

HTML :

```
<body>
  <div class="boxwrap">
    <div class="box" style="background-color: red">1</div>
    <div class="box" style="background-color: orange">2</div>
    <div class="box" style="background-color: yellow">3</div>
    <div class="box" style="background-color: green">4</div>
    <div class="box" style="background-color: blue">5</div>
    <div class="box" style="background-color: indigo">6</div>
    <div class="box" style="background-color: violet">7</div>
  </div>
</body>
```

CSS :

```
* {
  margin: 0;
  padding: 0;
}
html,
body {
  width: 100%;
  height: 100%;
}
body {
  overflow: hidden;
}
.boxwrap {
  display: table;
  table-layout: fixed;
  width: 700%;
  height: 100%;
}
.box {
  display: table-cell;
  color: #ffffff;
  font-size: 24px;
}
```

script :

```
$(function () {  
  let elm = $(".box");  
  $(elm).each(function (index) {  
    $(this).on("mousewheel", function () {  
      let delta = event.wheelDelta / 120;  
      let moveTop = $(window).scrollLeft();  
      let elmSelector = $(elm).eq(index);  
      // 마우스휠을 위에서 아래로  
      if (delta < 0) {  
        if ($(elmSelector).next() != undefined) {  
          try {  
            moveTop = $(elmSelector).next().offset().left;  
          } catch (e) {}  
        }  
        // 마우스휠을 아래에서 위로  
      } else {  
        if ($(elmSelector).prev() != undefined) {  
          try {  
            moveTop = $(elmSelector).prev().offset().left;  
          } catch (e) {}  
        }  
      }  
      // 화면 이동 0.8초(800)  
      $("html, body").stop().animate({ scrollLeft: moveTop }, 800);  
    });  
  });  
});
```