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| 2021\_1\_WEB\_12\_과제 | 학번 : | 20175105 | 이름 : | 곽영주 |

* 12주 수업자료에서 아래에 제시한 예제를 실행하여 소스와 결과를 제출

1. 슬라이드 번호 4

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>Slide\_4</title>      <script>          window.onload = function(){              let mouse = document.querySelector("span");              let el = document.querySelector("div");              let scale = 1, width = 1;              let down = () => {mouse.style.fontSize = "20px";}              let up = () => {mouse.style.fontSize = "16px";}              let over = () => {mouse.style.backgroundColor = "violet";}              let out = () => {mouse.style.backgroundColor = "white";}              let mwheel = () => {                  if(event.wheelDelta < 0){                      width--;                      if(width < 0)                          width = 0;                  }                  else                      width++;                  el.style.borderStyle = "ridge";                  el.style.borderWidth = width + "px";                  el.style.borderColor = "blue";              }              mouse.addEventListener("mousedown", down);              mouse.addEventListener("mouseup", up);              mouse.addEventListener("mouseover", over);              mouse.addEventListener("mouseout", out);              el.addEventListener("wheel", mwheel);          }      </script>  </head>  <body>      <h3>마우스 관련 이벤트 리스너</h3>      <hr>      <div>마우스 관련          <span>이벤트</span>가 발생합니다.      </div>  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 8

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>onload로 이미지 크기 출력</title>      <script>          function changeImage(){              const sel = document.getElementById("sel");              const img = document.getElementById("myImg");              img.onload = function(){                  const mySpan = document.getElementById("mySpan");                  mySpan.innerHTML = img.width + " x " + img.height;              }              const index = sel.selectedIndex;              img.src = sel.options[index].value;          }      </script>  </head>  <body>      <form>          <select id="sel" onchange="changeImage()">              <option value=" ">=== 선택하세요 ===</option>              <option value="image/flow2.jpg">사진1</option>              <option value="image/flow3.jpg">사진2</option>              <option value="image/flow4.jpg">사진3</option>              <option value="image/flow5.jpg">사진4</option>          </select>          <span id="mySpan">이미지 크기</span>      </form>      <p><img id="myImg" src="image/flow7.jpg" alt="."></p>  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 10

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>Document</title>      <style>          #myimg{border: ridge 20px yellow;}      </style>      <script>          window.onload = function(){              const images = document.querySelector("#myimg");              const files = [                  "image/flow1.jpg",                  "image/flow2.jpg",                  "image/flow3.jpg",                  "image/flow4.jpg",                  "image/flow5.jpg",                  "image/flow6.jpg",                  "image/flow7.jpg"              ];              const imgs = new Array();              for(let i=0; i<files.length; i++){                  imgs[i] = new Image();                  imgs[i].src = files[i];              }              let next = 1;              images.onclick = function(){                  images.src = imgs[next++].src;                  next %= imgs.length;              }          }      </script>  </head>  <body>      <h3>new Image()로 이미지 로딩</h3><hr>      이미지를 클릭하면 다음 이미지를 보여줍니다.<p></p>      <img id="myimg" src="image/flow1.jpg" alt=".">  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 12

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>onfocus와 onblur</title>      <script>          window.onload = function(){              function checkFiled(){                  if(this.value == ""){                      alert("enter name!");                      setTimeout(function(){name.focus();}, 10);                  }              }              const name = document.getElementById("name");              name.focus();              name.onblur = checkFiled;          }      </script>  </head>  <body>      <h3>onfocus와 onblur</h3>      <hr>      <p>이름을 입력하지 않고 다른 창으로 이동할 수 없습니다.</p>      <form>          이름 <input type="text" id="name"><p></p>          학번 <input type="text">      </form>  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 14

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>선택된 라디오버튼 알아내기</title>      <script>          function findChecked(){              let found = null;              let kcity = document.getElementsByName("city");              for(let i=0; i<kcity.length; i++){                  if(kcity[i].checked == true)                      found = kcity[i];              }              if(found != null)                  alert(found.value + "이 선택되었음");              else                  alert("선택된 것이 없음");          }          window.onload = function(){              let btn = document.querySelector("input[type=button]");              btn.addEventListener("click", findChecked);          }      </script>  </head>  <body>      <form>          <input type="radio" name="city" value="seoul" checked>서울          <input type="radio" name="city" value="busan">부산          <input type="radio" name="city" value="chunchen">춘천          <input type="button" value="find checked">      </form>  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 15

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>Document</title>      <script>          let calc = (function(){              let sum = 0;              return function(){                  if(this.checked)                      sum += parseInt(this.value);                  else                      sum -= parseInt(this.value);                  document.getElementById("sumtext").value = sum;              }          })();          window.onload = function(){              const query = "input[type=checkbox]";              const chbox = document.querySelectorAll(query);              chbox.forEach((el) => {                  el.addEventListener("click", calc);              });          }      </script>  </head>  <body>      <form>          1) 모자 1만원 <input type="checkbox" value="10000"><br>          2) 구두 3만원 <input type="checkbox" value="30000"><br>          3) 가방 8만원 <input type="checkbox" value="80000"><br>          4) 신발 5만원 <input type="checkbox" value="50000"><p></p>          지불하실 금액 <input type="text" id="sumtext" value="0"> <input type="reset" value="취소">      </form>  </body>  </html> |
| [실행결과] |

1. 슬라이드 번호 24

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| [소스]  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <title>Document</title>  </head>  <body>      <h3>텍스트가 자동 회전하며, 마우스로 클릭하면 중단합니다.</h3>      <hr>      <div>          <span id="span" style="background-color: yellow;">          자동 회전하는 텍스트입니다.</span>      </div>      <script>          let span = document.getElementById("span");          let timerID = setInterval("doRotate()", 200);          span.onclick = function(e){              clearInterval(timerID);          }          function doRotate(){              let str = span.innerHTML;              let firstChar = str.substr(0, 1);              let remains = str.substr(1, str.length-1);              str = remains + firstChar;              span.innerHTML = str;          }      </script>  </body>  </html> |
| [실행결과] |