```
[Local Storage]
1. checkStorage.html
   <script>
      function checkWebStorageAvailable() {
         try {
            if (localStorage) {
               localStorage.setItem("test", "test-value");
               localStorage.removeItem("test");
            } else {
               return "브라우저에서 localStorage 지원하지 않음";
            }
         } catch (exception) {
            return exception + " 발생으로 localStorage 사용 불가";
         }
      }

      let msg = checkWebStorageAvailable();
      if (msg) {
         document.write(msg);
      } else {
         document.write("localStorage를 사용하는 작업 진행");
      }
   </script>


2. localStorage.html
   <!DOCTYPE html>
   <html>
   <head>
   <meta charset="UTF-8">
   <title>localStorage 활용</title>
   </head>
   <body>
      <fieldset>
         <legend>개인화 설정</legend>
         <label for="name">사용자명</label>
         <input type="text" id="name">
         <label for="color">선호색상</label>
         <input type="color" id="color">
         <label for="fontSize">폰트크기</label>
         <input type="number" id="fontSize">
         <button id="save">저장</button>
         <button id="remove">삭제</button>
      </fieldset>
   </body>
   <script src="localstorage.js"></script>
   </html>


3. localStorage.js
   let storage = localStorage;

   let body = document.querySelector("body");
   let nameField = document.getElementById("name");
   let colorField = document.getElementById("color");
   let fontSizeField = document.getElementById("fontSize");

   let defaultBackground = "#ffffff";
   let defaultFontSize = 15;

   document.getElementById("save").addEventListener("click", function() {
      storage.setItem("name", nameField.value);
      storage.setItem("fcolor", colorField.value);
      storage.setItem("fsize", fontSizeField.value);
      updateUserInfo(nameField.value, colorField.value, fontSizeField.value);
   });
```

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68    document.getElementById("remove").addEventListener("click", function() {
69        storage.clear();
70        updateUserInfo("", defaultBackground, defaultFontSize);
71    });
72
73    function updateUserInfo(id, color, size) {
74        nameField.value = id;
75        colorField.value = color;
76        fontSizeField.value = size;
77        body.style.background = color;
78        body.style.fontSize = size + "px";
79    }
80
81    function init() {
82        var name = storage.getItem("name");
83        if (name) {
84            updateUserInfo(name, storage.getItem("fcolor"), storage
85                    .getItem("fsize"));
86        } else {
87            updateUserInfo("", defaultBackground, defaultFontSize);
88        }
89    }
90
91    init();
92
93
94  4. localStorage1.js
95    let storage = localStorage;
96
97    let body = document.querySelector("body");
98    let nameField = document.getElementById("name");
99    let colorField = document.getElementById("color");
100   let fontSizeField = document.getElementById("fontSize");
101
102   let defaultBackground = "#ffffff";
103   let defaultFontSize = 15;
104
105   document.getElementById("save").addEventListener("click", function() {
106       let user = {
107           name : nameField.value,
108           color : colorField.value,
109           size : fontSizeField.value
110       };
111
112       storage.setItem(nameField.value, JSON.stringify(user));
113       updateUserInfo(nameField.value, colorField.value, fontSizeField.value);
114   });
115
116   document.getElementById("remove").addEventListener("click", function() {
117       storage.removeItem(nameField.value);
118       updateUserInfo("", defaultBackground, defaultFontSize);
119   });
120
121   document.getElementById("login").addEventListener("click", function() {
122       let userStr = storage.getItem(nameField.value);
123       if (userStr) {
124           var userObj = JSON.parse(userStr);
125           updateUserInfo(userObj.name, userObj.color, userObj.size);
126       } else {
127           updateUserInfo(nameField.value, defaultBackground, defaultFontSize);
128       }
129   });
130
131   function updateUserInfo(id, color, size) {
132       nameField.value = id;
133       colorField.value = color;
134       fontSizeField.value = size;
```

```
135        body.style.background = color;
136        body.style.fontSize = size + "px";
137    }
138
139
140  [Session Storage]
141  1. sessonStorage.html
142     <!DOCTYPE html>
143     <html>
144     <head>
145     <meta charset="UTF-8">
146     <title>session storage</title>
147     </head>
148     <body>
149        <div id="formbox">
150           <fieldset>
151              <legend>상품 정보</legend>
152              <label for="product">상품</label>
153              <input type="text" id="product">
154              <label for="price">가격</label>
155              <input type="number" id="price">
156              <label for="quantity">수량</label>
157              <input type="number" id="quantity">
158              <input type="submit" id="addB" value="저장" />
159           </fieldset>
160           <fieldset>
161              <legend>목록관리</legend>
162              <span>구매희망상품 목록</span>
163              <select id="keylist">
164                 <option>--선택--</option>
165              </select>
166              <input type="button" id="selectOneB" value="개별조회" />
167              <input type="button" id="deleteOneB" value="개별삭제" />
168              <input type="button" id="selectAllB" value="전체조회" />
169              <input type="button" id="deleteAllB" value="전체삭제" />
170           </fieldset>
171           <div id="dataArea"></div>
172        </div>
173
174     </body>
175     <script src="07_sessionstorage.js"></script>
176     </html>
177
178
179  2. sessionStorage.js
180     let storage = sessionStorage;
181     let product = document.getElementById("product");
182     let price = document.getElementById("price");
183     let quantity = document.getElementById("quantity");
184     let dataArea = document.getElementById("dataArea");
185     let wishList = document.getElementById("keylist");
186     document.getElementById("addB").addEventListener("click", function() {
187        let productObj = {
188           product : product.value,
189           price : price.value,
190           quantity : quantity.value
191        };
192        let productStr = JSON.stringify(productObj);
193        storage.setItem(product.value, productStr);
194        dataArea.innerHTML = "저장 완료 : " + productStr;
195        updateWishList();
196     });
197
198     function updateWishList() {
199        let data = "";
200        for (var i = 0; i < storage.length; i++) {
201           data += "<option>" + storage.key(i);
```

```
202          }
203          wishList.innerHTML = data;
204      }
205
206      updateWishList();
207
208      document.getElementById("selectOneB").addEventListener("click", function() {
209          let productStr = storage.getItem(wishList.value);
210          if (productStr) {
211              let productObj = JSON.parse(productStr);
212              product.value = productObj.product;
213              price.value = productObj.price;
214              quantity.value = productObj.quantity;
215              dataArea.innerHTML = "조회 성공";
216          } else {
217              dataArea.innerHTML = "저장 실패 : " + selected;
218          }
219      });
220
221      document.getElementById("deleteOneB").addEventListener("click", function() {
222          storage.removeItem(wishList.value);
223          updateWishList();
224          dataArea.innerHTML = "삭제 성공";
225      });
226
227      document.getElementById("selectAllB").addEventListener("click", function() {
228          let data = "";
229          for (var i = 0; i < storage.length; i++) {
230              let key = storage.key(i);
231              let value = storage.getItem(key);
232              data += key + " : " + value + "<br>"
233          }
234          dataArea.innerHTML = data;
235      });
236
237      document.getElementById("deleteAllB").addEventListener("click", function() {
238          storage.clear();
239          dataArea.innerHTML = "전체 삭제 완료";
240      });
```