```javascript
(function() {

var table = document.querySelector("#myTable"),
   ths = table.querySelectorAll("thead th"),
   trs = table.querySelectorAll("tbody tr");

function makeArray(nodeList) {

   var arr = [];

   for(var i = 0; i < nodeList.length; i++) {

      arr.push(nodeList[i]);

   }

   return arr;

}

function clearClassName(nodeList) {

   for(var i = 0; i < nodeList.length; i++) {

      nodeList[i].className = "";

   }

}

function sortBy(e) {
```

```javascript
var target = e.target,
    thsArr = makeArray(ths),
    trsArr = makeArray(trs),
    index = thsArr.indexOf(target),
    df = document.createDocumentFragment(),
    order = (target.className === "" || target.className === "desc") ? "asc" : "desc";


clearClassName(ths);


trsArr.sort(function(a, b) {


    var tdA = a.children[index].textContent,
        tdB = b.children[index].textContent;


    if(tdA < tdB) {
        return order === "asc" ? -1 : 1;
    } else if(tdA > tdB) {
        return order === "asc" ? 1 : -1;
    } else {
        return 0;
    }


});


trsArr.forEach(function(tr) {
    df.appendChild(tr);
});


target.className = order;
table.querySelector("tbody").appendChild(df);
```

```
    }

    for(var i = 0; i < ths.length; i++) {

        ths[i].onclick = sortBy;

    }

})();
```