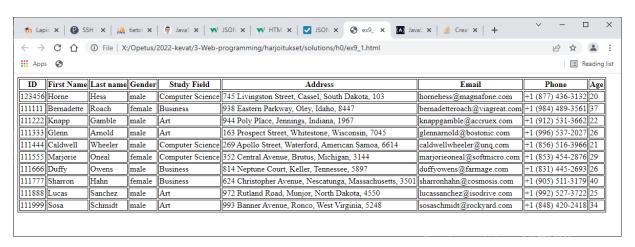
## Exercise – array iteration, 6p

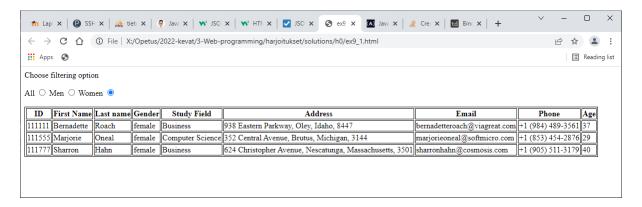
Students.js includes an array of 10 students. Each student is an object having multiple of properties.

You should first download students.js file from moodle and then make your own hml file in which you include students.js

1. Show student information on HTML table (but NOT courses\_done). 1p



2. Create radio buttons "All", "Men", "Women" and filter the data accordingly. 1p



Hint how to make the radio buttons:

```
All <input type="radio" id="all" value="all" name="sex" checked>
Men <input type="radio" id="men" value="men" name="sex">
Women <input type="radio" id="women" value="women" name="sex">
```

Hint for making the event listeners in JavaScript code:

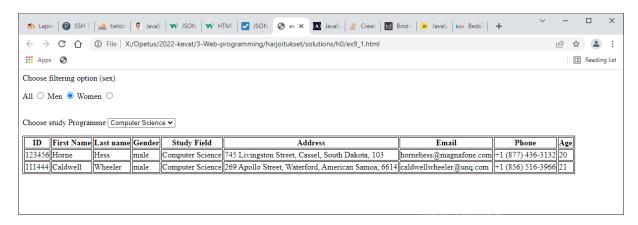
document.getElementsByName("sex").forEach(radio => radio.addEventListener('change', filterStudents))

How to find out which was selected from the radio buttons:

```
function sexSelected () {
    let rButtons = document.getElementsByName("sex")
    for(i=0; i < rButtons.length; i++) {
        //console.log("checked = " + rButtons[i].checked)
        if (rButtons[i].checked == true) {
            return rButtons[i].value
        }
    }
    return "all"
}</pre>
```

- 3. Create a select menu which includes the following options:
  - ΔI
  - Computer Science
  - Business
  - Art

You have to filter the data according to selections and also take into account the filtering in previous exercise. 1p

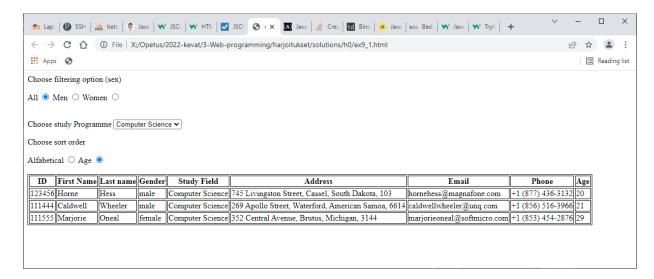


Hint for making the selection

How to make event listener

document.getElementById("study\_programme").addEventListener('change', filterStudents)

- 4. Add radio buttons for choosing how sort the students list. "Alfabetical" orders the students according to students last name. 1p
  - Alfabetical
  - Age



5. Add one more column which is telling how many credits the student has all together. You have to count it from student's courses\_done array. Reduce iteration method would be good choice for this. 2p

