

Array Methods

Problem 1. Make person

- Write a function for creating persons.
 - Each person must have **firstname**, **lastname**, **age** and **gender** (true is female, false is male)
- Generate an array with ten person with different names, ages and genders

Problem 2. People of age

- Write a function that checks if an array of person contains only people of age (with age 18 or greater)
 - Use **only array methods** and no regular loops (for, while)

Problem 3. Underage people

- Write a function that prints all underaged persons of an array of person
 - Use **Array#filter** and **Array#forEach**
 - Use **only array methods** and no regular loops (for, while)

Problem 4. Average age of females

- Write a function that calculates the average age of all females, extracted from an array of persons
 - Use **Array#filter**
 - Use **only array methods** and no regular loops (for, while)

Problem 5. Youngest person

- Write a function that finds the youngest male person in a given array of people and prints his full name
 - Use **only array methods** and no regular loops (for, while)
 - Use **Array#find**

Problem 6. Group people

- Write a function that groups an array of persons by first letter of first name and returns the groups as a JavaScript Object
 - Use **Array#reduce**
 - Use **only array methods** and no regular loops (for, while)

Example:

```
result = {
  'a': [{
    firstname: 'Asen',
    /* ... */
  }, {
    firstname: 'Anakonda',
    /* ... */
  }],
  'j': [{
    firstname: 'John',
    /* ... */
  }]
};
```