Create a script in JavaScript with the following functions (10+3 points max):

1. Create a class Person with properties: _firstName_, _lastName_, _yearOfBirth_.
   Create a getter for _fullName_ (1 point)
   - 1.1. Create a setter for _yearOfBirth_ and getter for _age_. (1 point)
   - 1.2. Create a method, which prints all basic information about the _Person_. (1 point)
2. Create a class _Student_ (child of _Person_)
   - 2.1. Create properties: _group_, _isErasmus_, _grades (array)._ (1 point)
   - 2.2. Create a method which prints all basic information about a student. (1 point)
   - 2.3. Create a method to calculate average grades. (1 point)
3. Generate 10 instances of the students. You can create a random data generator. The grades should be a random number from 1 to 5. (1 point)
4. Find a student with the best and the worst grade average. (1 point)
5. Create a list of students ordered by their grade average from the best to the worst one. (1 point)
6. Create a filtered list of students, where criterium is, if the student is an Erasmus student. (1 point)

7. Optional (extra points). Add a HTML form for new student including his grades. Then run again points 4-6. (3 extra points)