

Coding Challenge #4: Student Results

In this coding exercise, you will write a program to compute the results of female students. You will return their names and average marks of all the females given in the input.

We'll cover the following ^

- Problem Statement
 - Input
 - Expected Output
- Coding Exercise

Problem Statement

Complete the following program to compute and return the female students results (name and average grade). Refactor it using functional programming. Execution result must stay the same.

Input

```
const students = [  
  {  
    name: "Anna",  
    sex: "f",  
    grades: [4.5, 3.5, 4]  
  },  
  {  
    name: "Dennis",  
    sex: "m",  
    country: "Germany",  
    grades: [5, 1.5, 4]  
  },  
  {  
    name: "Martha",  
    sex: "f",  
    grades: [5, 4, 2.5, 3]  
  },  
  {
```

```
{
  name: "Brock",
  sex: "m",
  grades: [4, 3, 2]
}
];
```

Expected Output

```
[ { name: 'Anna', sex: 'f', grades: 4 },
  { name: 'Martha', sex: 'f', grades: 3.625 } ]
```

Coding Exercise

```
function studentResult(students){

  //TODO: Compute and Return female students results using functional programming.
}
```

