

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 ^

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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.
}
```

