

## Javascript Coding Challenge

### Requirements

Given an array “people”, write:

1. A function “listByGender” that accepts “gender” and retruns an array of people that falls under the given gender; and
2. A function “groupByDepartment” that returns people grouped by their department.

Write your solution without using any libraries and use ES6 or above as much as possible.

```
1. const people = [  
2.   {  
3.     name: 'Arisa',  
4.     department: 'BP',  
5.     gender: 'F'  
6.   },  
7.   {  
8.     name: 'Ham',  
9.     department: 'IT',  
10.    gender: 'F'  
11.  },  
12.  {  
13.    name: 'Alice',  
14.    department: 'IT',  
15.    gender: 'F'  
16.  },  
17.  {  
18.    name: 'Anna',  
19.    department: 'DA',  
20.    gender: 'F'  
21.  },  
22.  {  
23.    name: 'Larry',  
24.    department: 'Sales',  
25.    gender: 'M'  
26.  },  
27.  {  
28.    name: 'Ria',  
29.    department: 'Sales',  
30.    gender: 'F'  
31.  },  
32.  {  
33.    name: 'JD',  
34.    department: 'Sales',  
35.    gender: 'M'  
36.  },  
37.  {  
38.    name: 'Thor',  
39.    department: 'Sales',  
40.    gender: 'M'  
41.  },  
42.  {  
43.    name: 'Karl',  
44.    department: 'Sales',  
45.    gender: 'M'  
46.  },  
]
```

```
47. {
48.   name: 'Rachel',
49.   department: 'Sales',
50.   gender: 'F'
51. }
52. ];
53.
54. function listByGender(gender) {}
55.
56. function groupByDepartment() {}
57.
58. // Test:
59. listByGender('M'); // Output: Includes Larry, JD, Thor, and Karl
60. listByGender('F'); // Output: Includes Arisa, Ham, Alice, Anna, Ria, and Rachel
61. groupByDepartment(); // Output: People grouped by their department
```

## Submission

- Upload your source code to Github/Gitlab and make sure it will be accessible.
- Send the Github/Gitlab link to [aristotle.espiritu@moscord.com](mailto:aristotle.espiritu@moscord.com) and [samuel.francisco@moscord.com](mailto:samuel.francisco@moscord.com)