

# ZoomRx - Pre-induction

## Week 1

1. Write a JavaScript program to split the values of two given arrays into two groups. If an element in the filter is truthy, the corresponding element in the collection belongs to the first group; otherwise, it belongs to the second group.

Input:

```
[1, 2, 3, 4], [true, true, false, true]  
[1, 2, 3, 4], [true, true, true, true]  
[1, 2, 3, 4], [false, false, false, false]
```

Output

```
[[1,2,4],[3]]  
[[1,2,3,4],[]]  
[],[1,2,3,4]
```

2. Given two strings, write a program to decapitalize the first letter of the second string and join the two strings.

Input:

```
W3 Schools  
Red Orange  
Black
```

Output:

```
W3schools  
Redorange  
Black
```

3. Write a JavaScript program to get a random integer in the specified range.

Input (Range):

```
(0, 5)  
(2, 5)  
(5, -5)  
(-2, -7)
```

Output:

1  
3  
-1  
-4

4. Code for array `findBy`, `filterBy`, `sortBy` inbuilt functions. Come up with your own custom prototype function.