Challenge – Array Sorting

Sorting randomly

Now that you have learned how the sorting works with numbers. If you use the below function, it will sort in ascending order.

```
var arr = [12, 3, 13, 100, -5, -14];
msg.payload = arr.sort(function(a,b){return a - b});
return msg;
```

And if you use the below function, it sorts in descending order.
```
var arr = [12, 3, 13, 100, -5, -14];
msg.payload = arr.sort(function(a,b){return b - a});
return msg;
```

Can you find out how to sort randomly?

Hint: When we write (a - b) or (b - a), the result is in numbers either +1, -1 or 0. not Boolean (True or False). You can use Math.random() function.

Try if you can work on the code and sort the array randomly. Otherwise, you can check the solution below

```
var arr  = [40, 100, 1, -6 , -7 ,5, 25, 10];
msg.payload = arr.sort(function(a, b){return 0.5 - Math.random()});
return msg;
```