

## Assignment 5

Make sure to test all your answers in the console.

1. We want the expression `arr.reduce(f, a)` to compute the product of the values in the array `arr`. What should the values of `f` and `a` be?
2. We have an array `arr` of numbers. We want to obtain a new array containing only those numbers that are positive. Write an expression that will do that, using one of the new methods we learned.

3. We have an array `arr` of strings. We want to produce a new array that wraps each string around the tags “<li>” and “</li>”. Write an expression that will do that, using one of the new methods we learned.

5. Consider the following code:

```
var A = [], B = [];
for (var i = 0; i < 5; i += 1) {
  A[i] = function() { return i; };
  B[i] = (function(i) {
    return function() { return i; };
  })(i);
}
A.forEach(function(f, ind) { console.log("A", ind, f()); });
B.forEach(function(f, ind) { console.log("B", ind, f()); });
```

Describe the output produced by this code, and explain the unusual behavior (You should make sure you run this code in the console).