

Agenda

- Callback Fn
 - Pure and Impure function
 - HOF
 - Array methods (map, filter, reduce)
-

$$15 + 16 + 17 = 48$$

Functions that are passed to another functions are called callback.

Pure Fn → A function that always returns the same result if the same arguments are passed.

Impure Fn → A function that always returns the different result if the same arguments are passed.

DRY → Don't Repeat Yourself

All HOF are fn
All fn are not
HOF

```
fn (fn) {  
  return fn  
}
```

HOF are those functions which either
accepts a function as an argument
or returns a function or does
both.

```
let totalSum = arr.reduce(function (accumulator, num) {  
  accumulator = accumulator + num;  
  return accumulator;  
}, 0);  
console.log(totalSum);
```

arr = [1, 2, 3, 4, 5]

	acc	num
1	0	1
2	1	2
3	3	3
4	6	4
5	10	5
	15	