ARRAY.PROTOTYPE.MAP()

creates a new array by calling a function on every element of the given array

THE CODE DOSE

create list of items we need

```
let checkList = [
  { ingredient: "lemons", check: false },
  { ingredient: "water", check: false },
  { ingredient: "sugar",  check: false },
  { ingredient: "ice cubes", check: false },
  { ingredient: "mint leaves", check: false },
];

let pantry = ["ice cubes", "lemons",  "water", "sugar", "mint leaves", "salt"];

let updatedCheckList = checkList.map(item => {
  let updatedItem = item;
  if (pantry.includes(item.ingredient)) updatedItem.check = true;
  return updatedItem;
});

console.log(updatedCheckList);
/*
[{ ingredient: "lemons", check: true },
  { ingredient: "water", check: true },
  { ingredient: "sugar",  check: true },
  { ingredient: "ice cubes", check: true },
  { ingredient: "mint leaves", check: true },];
 */
```

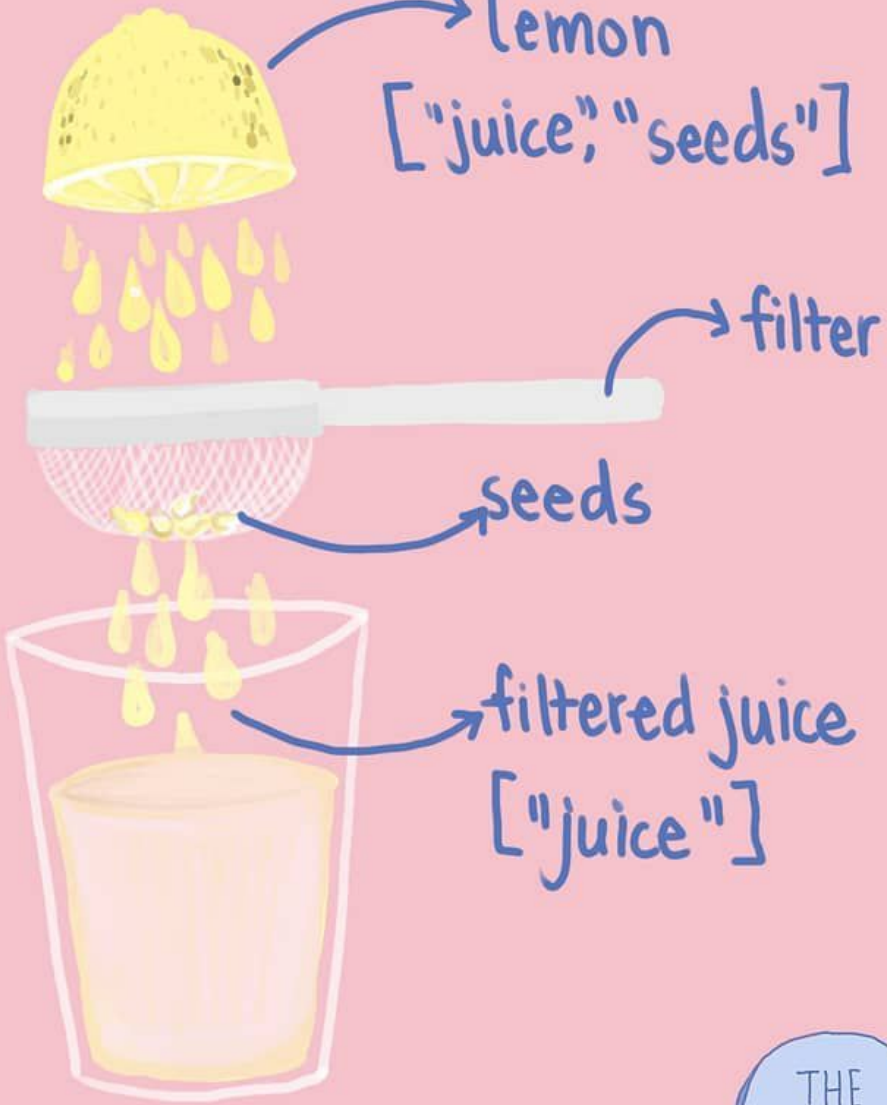
check items we have in pantry

yay!! we can now make our lemonade

THE CODE DOSE

ARRAY.PROTOTYPE.FILTER()

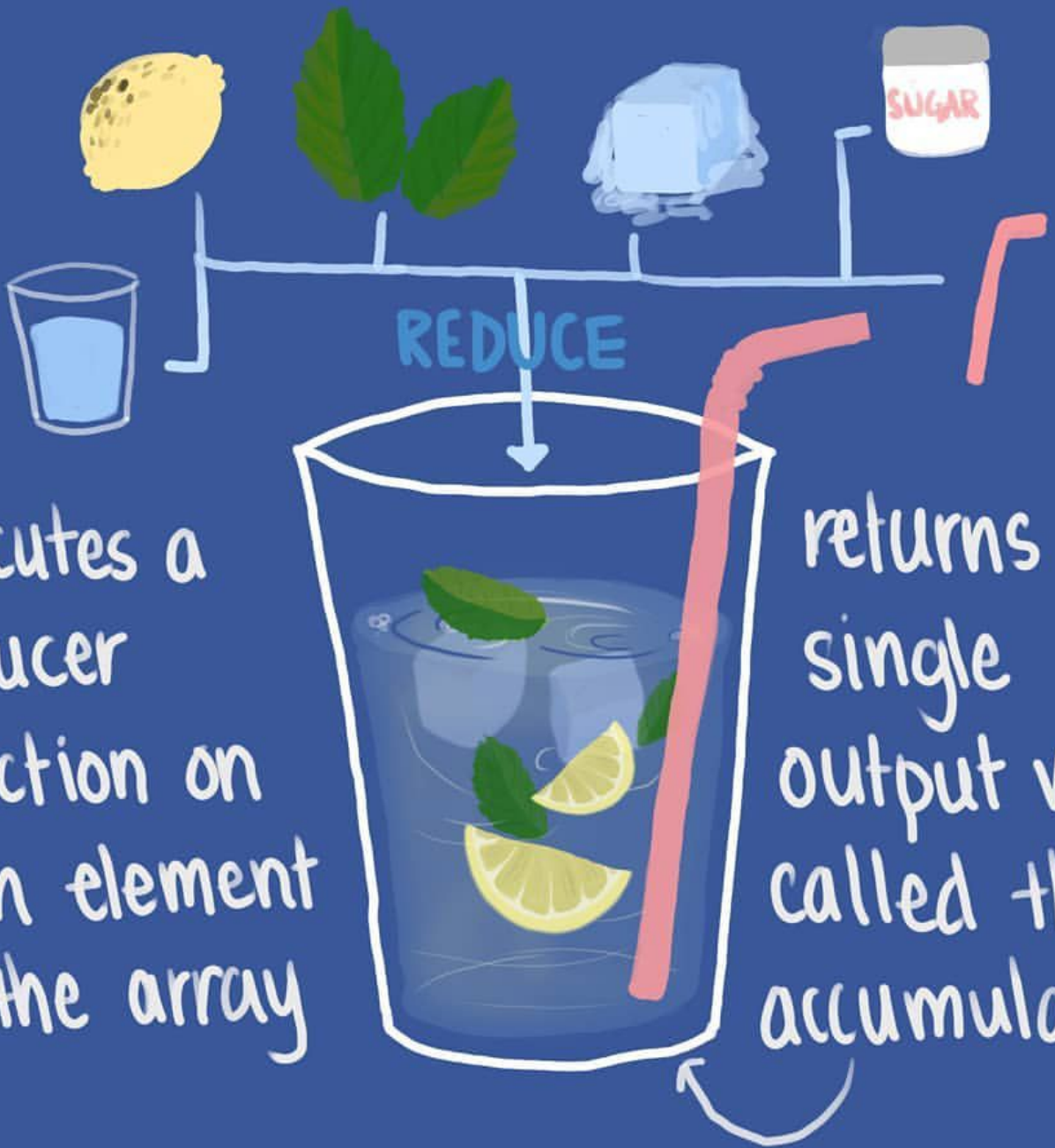
returns a new array with all elements that satisfy a given condition from the given array.



THE CODE DOSE


let's filter!
let unfilteredJuice = ["lemon juice", "seed", "seed", "lemon juice", "lemon juice", "seed"];
let filteredJuice = unfilteredJuice.filter(item => item !== "seed");
console.log(filteredJuice); // ["lemon juice", "lemon juice", "lemon juice"]
seeds are no fun
removed the seeds now we are ready to put everything together
THE CODE DOSE

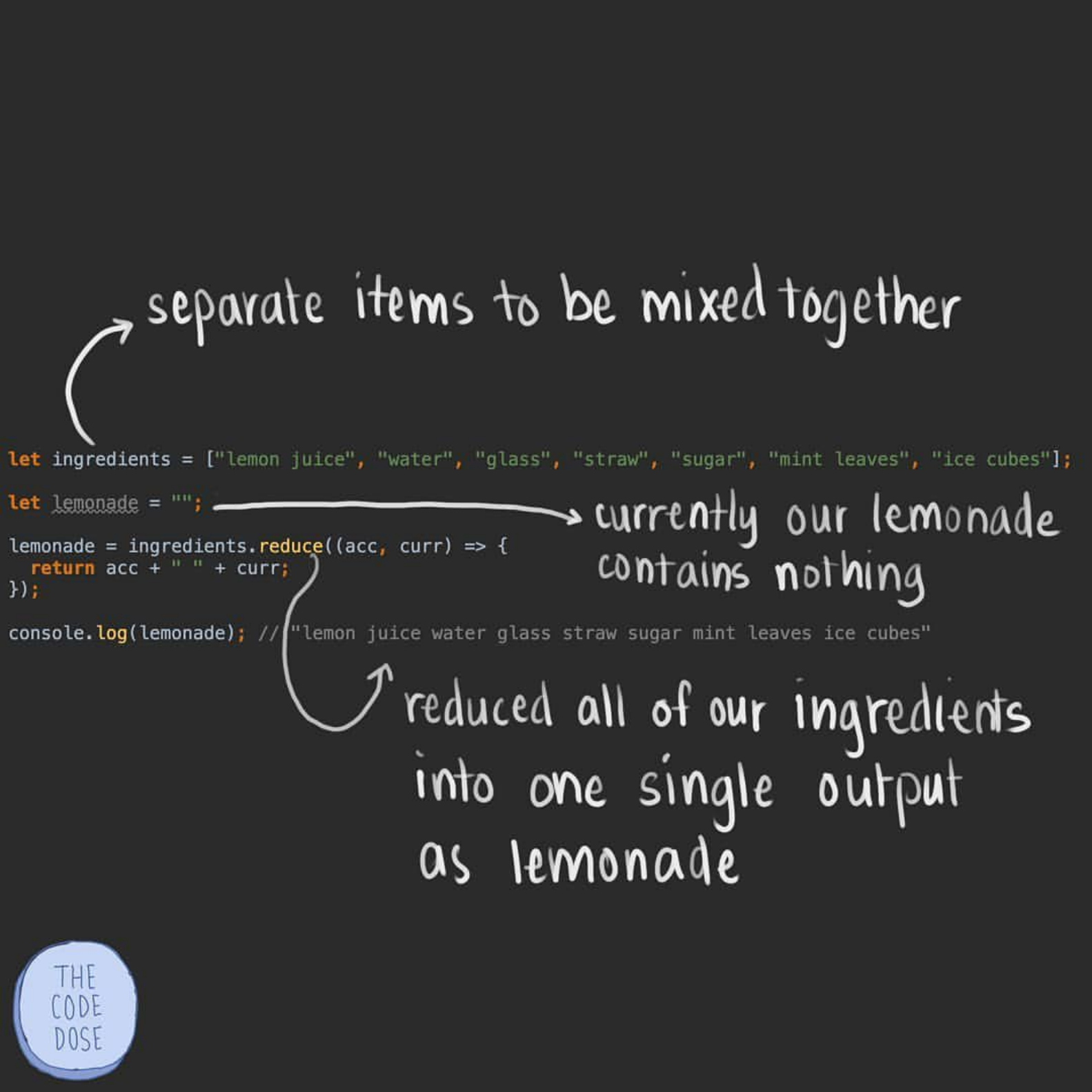
ARRAY.PROTOTYPE.REDUCE()



executes a reducer function on each element of the array

returns a single output value called the accumulator

THE CODE DOSE


separate items to be mixed together
let ingredients = ["lemon juice", "water", "glass", "straw", "sugar", "mint leaves", "ice cubes"];
let lemonade = "";
currently our lemonade contains nothing
lemonade = ingredients.reduce((acc, curr) => {
return acc + " " + curr;
});
console.log(lemonade); // "lemon juice water glass straw sugar mint leaves ice cubes"
reduced all of our ingredients into one single output as lemonade
THE CODE DOSE