# Kata 12 - The Great Codeville Bake-off

Assignment

70 - 90 minutes

✓ Status | Complete

**STRETCH ACTIVITY**
This activity is marked as stretch. We strongly suggest you come back to it if/when you've completed all the core exercises for the prep course.

The town festival is tomorrow and the organizers have only just realized that they've booked two bakeries to cater desserts, but only have one kitchen available. Instead of just choosing one bakery, let's help them figure out a way to work together.

Both of the bakeries have a specialty, so they each have a stock of specific ingredients.

Lucky for the festival organizers, we've found a recipe book in the town library with TONS of fusion recipes, unfortunately it's thousands of pages long and we don't have much time. Let's write a function that helps determine which recipes match the ingredients that both bakeries have in stock.

> We need to complete a function called `chooseRecipe()`, which will receive three parameters: - An array of ingredients in stock at Bakery A - An array of ingredients in stock at Bakery B - An array of recipe objects. Each recipe has a name property(string) and an ingredient property(array)

We are limiting our search to two ingredient recipes. We want to find a recipe that utilizes one ingredient from Bakery A and one from Bakery B.

Our `chooseRecipe()` function should return the name of the correct recipe.

> There will always be a single correct answer, and you will NOT need to consider special cases. For example, you do NOT need to worry about cases where one bakery has BOTH the ingredients for a recipe.

## Input

```
const chooseRecipe = function(bakeryA, bakeryB, recipes) {
  // Code here!
}

let bakeryA = ['saffron', 'eggs', 'tomato paste', 'coconut', 'custard'];
let bakeryB = ['milk', 'butter', 'cream cheese'];
let recipes = [
    {
        name: 'Coconut Sponge Cake',
        ingredients: ['coconut', 'cake base']
    },
    {
        name: 'Persian Cheesecake',
        ingredients: ['saffron', 'cream cheese']
    },
    {
        name: 'Custard Surprise',
        ingredients: ['custard', 'ground beef']
    }
];

console.log(chooseRecipe(bakeryA, bakeryB, recipes));

bakeryA = ['potatoes', 'bay leaf', 'raisins'];
bakeryB = ['red bean', 'dijon mustard', 'apples'];
recipes = [
    {
        name: 'Potato Ganache',
        ingredients: ['potatoes', 'chocolate']
    },
    {
        name: 'Sweet Fish',
        ingredients: ['anchovies', 'honey']
    },
    {
        name: "Nima's Famous Dijon Raisins",
        ingredients: ['dijon mustard', 'raisins']
    }
];

console.log(chooseRecipe(bakeryA, bakeryB, recipes));
```

## Expected Output

```
Persian Cheesecake
Nima's Famous Dijon Raisins
```

This one is a doozy! We might want to start by creating a helper function called `ingredientCheck()` that will take in one bakery at a time, along with the `recipes.ingredients` array to check if the given bakery possesses any of the ingredients from that recipe.

Submit Your Work

- Browse to gist.github.com and create a new gist.
- Copy-and-paste your code into the form
- Name the gist and the file appropriately and click `Create secret gist`.

- Finally, mark this activity as completed (at the bottom of this page) and please copy/paste the *entire* browser URL for your gist (from *gist.github.com*) into the text field.

https://gist.github.com/sa ✗ Cancel Submission

← Previous
Kata 11 - Bouncy Castles (Stretch)

Next
Kata 13 - Talking Calendar (Stretch) →

### How well did you understand this content?

Thank you for your feedback

★ ★ ★ ★ ★

Totally got it!

Please give us some written insight into your feedback

# Prep Work

› 1: Welcome

› 2: Dev Environment

› 3: Version Control

› 4: Programming Intro

› 5: The Browser

⌄ 6: Katas

**6 hrs** ***+ 29 hrs stretch*** 🏆

- Katas ✓
- </> Kata 1 - Sum the Largest Numbers ✓
- </> Kata 2 - Conditional sums ✓
- </> Kata 3 - Vowels ✓
- </> Kata 4 - Instructors Names ✓
- </> Kata 5 - Percent Encoded String ✓
- </> Kata 6 - SmartParking ✓
- </> Kata 7 - In the Air Tonight ✓
- </> *Kata 8 - Repeating Numbers* ✓
- </> *Kata 9 - Case Maker* ✓
- </> *Kata 10 - Multiplication Table* ✓
- </> *Kata 11 - Bouncy Castles* ✓

- </> *Kata 12 - The Great Codeville Bake-off* ✓
- </> *Kata 13 - Talking Calendar* ✓
- </> *Kata 14 - Change Calculator* ✓
- </> *Kata 15 - Organizing Instructors* ✓
- </> *Kata 16 - Case Maker II* ✓
- </> *Kata 17 - JS Object From URL Encoded String* ✓
- </> *Kata 18 - Square Code* ✓
- </> *Kata 19 - Queen Threat Detector* ✓
- </> *Kata 20 - Taxicab Geometry* ✓
- </> *Kata 21 - Number Guesser* ✓

› 7: Stretch Project

› 8: The Lab Manual

› 9: Day One Prep

› 10: Collab Tools Setup

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