Rating Credit Scores: Solution Review

Solution review.

Since `score` is an array of numbers, we know `map`'s involved. It lets us loop and transform each score as we see fit.

What would we do with each score? Let's review the challenge.

- At or above 800, return "{score} is excellent!"
- At or above 700, return "{score} is good"
- At or above 650, return "{score} is fair"
- At or below 649, return "{score} is poor"

Imperatively, that sounds like a bunch of `if/else` statements.

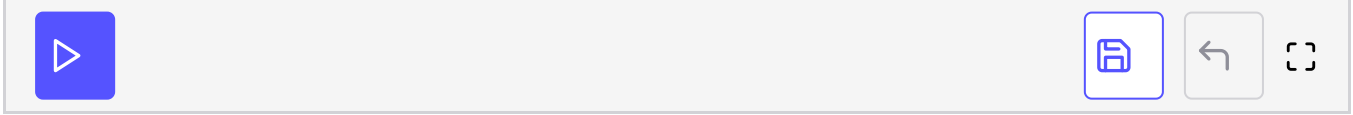
```
const reviewCreditScore = (score) => {
  if (score >= 800) {
    return `${score} is excellent!`;
  }

  if (score >= 700) {
    return `${score} is good`;
  }

  if (score >= 650) {
    return `${score} is fair`;
  }

  if (score <= 649) {
    return `${score} is poor`;
  }
};

console.log(reviewCreditScore(630));
```



Luckily though, Ramda has us covered. `cond` can easily replace this logic with functions!

```
import { cond } from 'ramda';

const reviewCreditScore = cond([
  [(score) => score >= 800, (score) => `${score} is excellent!`],
  [(score) => score >= 700, (score) => `${score} is good`],
  [(score) => score >= 650, (score) => `${score} is fair`],
  [(score) => score <= 649, (score) => `${score} is poor`]
]);

console.log(reviewCreditScore(800));
```

It does look a bit confusing with all the arrows, however.

If you'd like to make the comparisons point-free, try `gte` and `lte`.

index.js

scores.json

```
import { cond, gte, lte } from 'ramda';

const reviewCreditScore = cond([
  [lte(800), (score) => `${score} is excellent!`],
  [lte(700), (score) => `${score} is good`],
  [lte(650), (score) => `${score} is fair`],
  [gte(649), (score) => `${score} is poor`]
]);

console.log(reviewCreditScore(800));
```

Now compose it with `map` to review all the scores!

index.js

scores.json

```
import { cond, gte, lte, map } from 'ramda';
import scores from './scores.json';

const reviewCreditScore = cond([
  [lte(800), (score) => `${score} is excellent!`],
  [lte(700), (score) => `${score} is good`],
  [lte(650), (score) => `${score} is fair`],
  [gte(649), (score) => `${score} is poor`]
]);

const reviewCreditScores = map(reviewCreditScore);

console.log(reviewCreditScores(scores));
```