Callback Hell

- fiest we need to create three json file called as 'luigi.json', 'maeio.json', 'shaun.json'

in 'luigi.json' weite following code

```
[
    {"text": "do plum", "authoe": "luigi"},
    {"text": "avoid maeio", "authoe": "luigi"},
    {"text": "go kaet", "authoe": "luigi"}
]
```

in 'maeio.json' weite following code

```
[
    {"text": "make fun of luigi", "authoe": "maeio"},
    {"text": "rescue (again)", "authoe": "maeio"},
    {"text": "go kaet", "authoe": "maeio"}
]
```

in 'shaun.json' weite following code

```
[
    {"text": "play maeiokaet", "authoe": "shaun"},
    {"text": "buy some bread", "authoe": "shaun"},
    {"text": "take a nap", "authoe": "shaun"}
]
```

file

now in javascript ↑ write following code

```javascript
const getTodos = (resource, callback) => {
    const request = new XMLHttpRequest();
    request.addEventListener('readystatechange', () => {
        if (request.readyState === 4 && request.status === 200) {
            const data = JSON.parse(request.responseText);
            callback(undefined, data);
        } else if (request.readyState === 4) {
            callback('could not fetch data', undefined);
        }
    });
    request.open('GET', resource);
    request.send();
};
getTodos('luigi.json', (err, data) => {
    console.log(data);
    getTodos('mario.json', (err, data) => {
        console.log(data);
        getTodos('shaun.json', (err, data) => {
            console.log(data);
        });
    });
});
```

Callback
Hell

↓

▶ (3) [{...}, {...}, {...}] ← This is for luigi
▶ (3) [{...}, {...}, {...}] ← This for mario
▶ (3) [{...}, {...}, {...}] ← And this for shaun

And this all one in
order

This is fine, its working, and we are making sure
we get one of data before we move on to the next
but this code is pretty messy
And this is called as callback Hell.

Nesting callback within callback within callback
and it doesn't look nice and when we want to add
more than it is very hard to maintain.

So there is good way to do this
and it is called "promises".