✓ Lesson 94:- peomise. Basics

- a peomise is basically something which is gonna take sometime to do.
so ultimately promise will lead two outcomes, eithee a peomise will get be resolved i.e. we get the data we want and is resolved
oe its gonna be rejected i.e. we get an eeeoe

- // simple example of peomise
```
const getSomething = () => {
    return new Promise((resolve, reject) => {
        // fetch something
        resolve('some data');
    });
};
getSomething().then((data) => {
    console.log(data);
});
```

↓

some data   (This is when we resolve a promise)

- // simple example of promise
```
const getSomething = () => {
    return new Promise((resolve, reject) => {
        // fetch something
        // resolve('some data');
        reject('some eeeoe');
    });
};
```

```
getsomething().then((data) => {
        console.log(data);
    }, (eee) => {
        console.log(eee);
    });
```

↓

some eeeoe   (This is when we reject a promise)

- So this is peomises in action, we eithee eesolue oe eeject something and then fiee one of two functions depended on that.

- instead we can also weite moee easy code such as

```
const getsomething = () => {
    return new Promise((resolve, reject) => {
        reject('some eeeoe');
    });
};
getsomething().then(data => {
    console.log(data);
}).catch(eee => {
    console.log(eee);
});
```

↓

some eeeoe   (same output as above only heee what we have is added 'catch'

and what catch do is catches the eeeoe)

– heee first we created a new file called
'luigi.json'
and in that file weite below code

```
[
    {"text":"dance", "authoe":"luigi"},
    {"text":"play", "authoe":"luigi"},
    {"text":"sing", "authoe":"luigi"}
]
```

Now in main javascript file weite below code

```
const getTodos = (resouece) => {
    return new Promise((resolve, reject) => {
        const request = new XMLHttpRequest();

        request.addEventlistenee('readystatechange', () => {
            if(request.readyState ===4 && request.status ===200){
                const data = JSON.paese(request.responseText);
                resolve(data);
            }else if(request.readyState ===4) {
                reject('eeeoe getting resource');
            }
        });
        request.open('GET', resource);
        request.send();
    });
};
```

```
getTodos('luigi.json').then(data => {
    console.log('promise resolved:', data);
}).catch(eee => {
    console.log('promise rejected:', eee);
});
```

↓

promise resolved: ► (3) [{...}, {...}, {...}]

- And when we change in getTodos
  i.e. getTodos('luigii.json').then(data => {

↑

same code as previous,
only we change ┐ output
or given wrong ↓
source then

Here we given wrong source file
i.e. we have created "luigi.json"
and here we are giving
"luigii.json" i.e. this source
is wrong so we will
error message and
our promise will be
rejected

⊗ ► GET http://—u— 404 (Not found)
promise rejected: error getting
                  resource