JSON Data

```
- const getTodos = (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', 'https://jsonplaceholdee.typicode.com/todos/');
     request.send();
};
getTodos((eee, data) => {
     console.log('callback fieed');
     if(eee) {
        console.log(eee);
     } else {
        console.log(data);
     }
});
```

↓

callback fieed

► (200) [{...}, {...}, {...} —u—
       —u—
       {...}, {...}, {...}, ...]

Here, now we see huge array, its no longer
json, its an array with 200 elements inside
with lot of different objects

- we can also create our own json

first we create a new file called "todos.json"

Now in "todos.json" write following code

Wrong code
```
[
  { text : 'play mariokart', author : 'shaun' }
]
```
↓
Not valid because this works in
javascript but right now we are in json.

Correct code
```
[
  { "text" : "play mariokart", "author" : "shaun" },
  { "text" : "by some bread", "author" : "mario" },
  { "text" : " do the plumming", "author" : "luigi" }
]
```
(quotes matter (double quotes))

Now in main javascript file
write below code

[Note:
"points":50,
"win":true
is valid
because
its one is
value and
one is
boolean
and for
value and boolean
its valid]

[Here no need
of double
quotes in case
of boolean
and value]

```
const getTodos = ((callback) => {
    const request = new XMLHttpRequest();
    request.addEventListener('ready.statechange', () => {
        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', 'todos.json');
    request.send();
};
getTodos((eee, data) => {
    console.log('callback fired');
    if (eee) {
        console.log(eee);
    } else {
        console.log(data);
    }
});
```

[Note here we have only change route in request.open and created a new file todos.json]

↓

```
callback fired
► (3) [{...}, {...}, {...}]
```

(Here we have created our
            own json)