

✓ Async and Await

- These are two keywords in javascript that are recently introduced to the language and what they basically allow to do is chain promises together in clean and much more readable way.

- `const getTodos = async () => {`

`}`

(This is asynchronous function and it always return a promise)

- `const getTodos = async () => {`

`}`

`const test = getTodos();`

`console.log(test);`



► Promise {<resolved>: undefined}

[Even there is nothing inside function we get promise]

[asynchronous function always returns
a promise]

Page No.	
Date	

- Here first create "luigi.json" file and write below code

```
[  
  { "text": "play", "author": "luigi" },  
  { "text": "game", "author": "luigi" },  
  { "text": "sing", "author": "luigi" }  
]
```

write below code in main javascript file

```
const getTodos = async() => {  
  const response = await fetch('luigi.json');  
  const data = await response.json();  
  console.log(data);  
};  
getTodos();
```

↓
▶ (3) [1...3, 1...3, 1...3]

- Again Now consider another example
create "luigi.json" file and write below code

```
[  
  { "text": "play", "author": "luigi" },  
  { "text": "game", "author": "luigi" },  
  { "text": "sing", "author": "luigi" }  
]
```


write below code in main javascript file

```
const getTodos = async () => {  
  const response = await fetch('luigi.json');  
  const data = await response.json();  
  return data;  
};  
const test = getTodos();  
console.log(test);
```



► Promise {<pending>}

- create another 'luigi.json' file and write below code

```
[  
  { "text": "hello", "author": "luigi" },  
  { "text": "hi", "author": "luigi" },  
  { "text": "sonu", "author": "luigi" }  
]
```

write below code in main javascript file

```
const getTodos = async () => {  
  const response = await fetch('luigi.json');  
  const data = await response.json();  
  return data;  
};
```

getTodos()

getTodos()

• then(data => console.log('resolved:', data));

↓
resolved: ▶ (3) [{...}, {...}, {...}]

- create 'luigi.json' file and write below code

```
[  
  { "text": "hello", "author": "luigi" },  
  { "text": "hi", "author": "luigi" },  
  { "text": "sonu", "author": "luigi" }  
]
```

write below code in main javascript file

```
const getTodos = async () => {  
  const response = await fetch('luigi.json');  
  const data = await response.json();  
  return data;  
};
```

```
};
```

```
console.log(1);
```

```
console.log(2);
```

```
getTodos()
```

```
  .then(data => console.log('resolved:', data));
```

```
console.log(3);
```

```
console.log(4);
```

↓

1

2

3

4

resolved: ▶ (3) [{...}, {...}, {...}]

(This is non-blocking
i.e. asynchronous)