

JSON

JavaScript Object Notation



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JSON

- ✓ JavaScript Object Notation
- ✓ A subset of JavaScript-objects
- ✓ Language independent

RFC

4627

MIME

application/json

File

.json

Web

<http://json.org>

Discoverer

Douglas Crockford

JSON

Datatypes: string, number, boolean, null, object, array

```
{  
  "name": "Ellen Nu",  
  "city": "Kalmar",  
  "age": 24,  
  "registered": true  
}
```

student.json

```
[  
  { "name": "Ellen Nu", "city": "Kalmar", "age": 24, "registered": true },  
  { "name": "Peter Testsson", "city": "Växjö", "age": 20, "registered": false },  
  { "name": "Mia Testperson", "city": "Stockholm", "age": 29, "registered": true }  
]
```

students.json

Example: <https://randomuser.me/api/>

JSON-lint: Ex <http://jsonlint.com/>

JSON

```
import students from './students.json'
```

```
console.log(students)
```

```
let json = JSON.stringify(students)
```

```
console.log(json)
```

```
students = JSON.parse(json)
```

```
console.log(students)
```

JSON.stringify and JSON.parse are
synchronous function calls.

✓ JSON.stringify()
- Javascript -> JSON

✓ JSON.parse()
- JSON -> Javascript

index.js

```
index.js:11
▼ (3) [{...}, {...}, {...}]
  ▶ 0: {name: "Ellen Nu", city: "Kalmar", age: 24, registered: true}
  ▶ 1: {name: "Peter Testsson", city: "Växjö", age: 20, registered: false}
  ▶ 2: {name: "Mia Testperson", city: "Stockholm", age: 29, registered: true}
    length: 3
    __proto__: Array(0)

index.js:15
[{"name":"Ellen Nu","city":"Kalmar","age":24,"registered":true}, {"name":"Peter
Testsson","city":"Växjö","age":20,"registered":false}, {"name":"Mia
Testperson","city":"Stockholm","age":29,"registered":true}]
index.js:19
▼ (3) [{...}, {...}, {...}]
  ▶ 0: {name: "Ellen Nu", city: "Kalmar", age: 24, registered: true}
  ▶ 1: {name: "Peter Testsson", city: "Växjö", age: 20, registered: false}
  ▶ 2: {name: "Mia Testperson", city: "Stockholm", age: 29, registered: true}
    length: 3
    __proto__: Array(0)
```

