

JSON

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WHAT IS JSON

JavaScript
Object
Notation

BASICS

EXAMPLE

```
const human = {  
  age: 0,  
  name: 'specify',  
  gender: 'specify'  
};
```

BASICS:

ANOTHER WAY

```
const human = [];
```

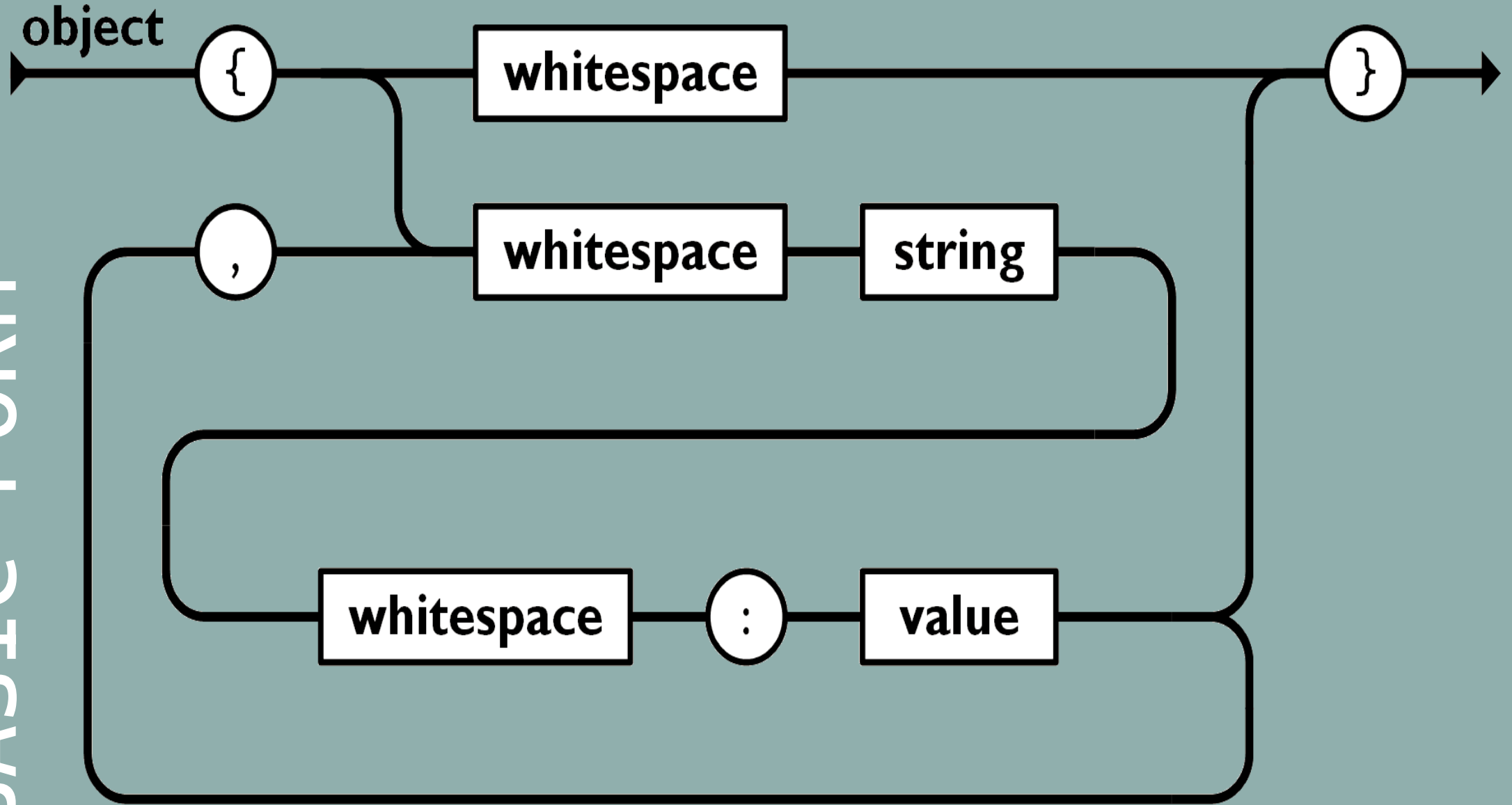
```
human['age'] = 0;
```

```
human['name'] = 'specify';
```

```
human['gender'] = 'specify';
```

DATA STRUCTURE

BASIC FORM

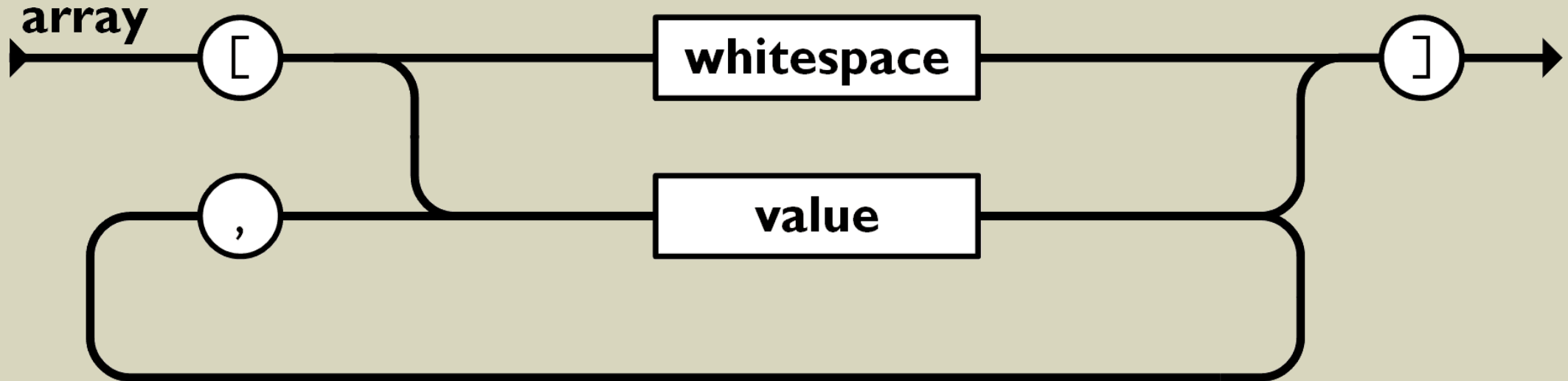


DATA STRUCTURE ARRAY

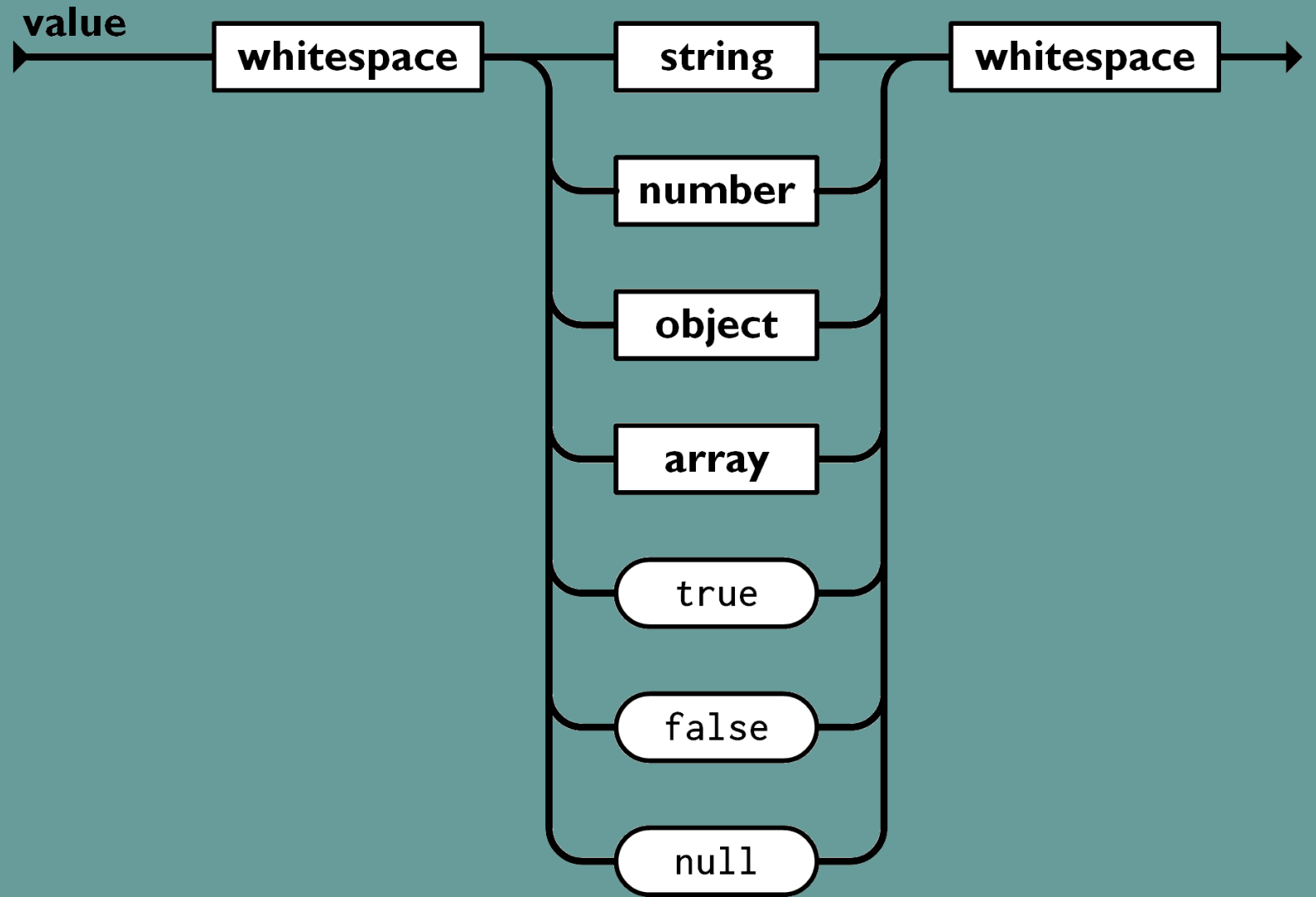
```
const clients = [  
  { name: 'Fran', age: 1},  
  { name: 'Helen', age: 3},  
  { name: 'Camiel', age: 7},  
  { name: 'Beatrice', age: 11}  
];
```

```
const helensAge = clients[1].age;
```

ARRAY FORM



VALUES



STANDARD ARRAY NOTATION

```
const lotteryNumbers = [  
    23, 11, 7, 45, 32, 21  
]; // this is not json..
```

JSON V. XML

XML: must be (1) loaded,
then (2) parsed. Uses
more memory

JSON: just use it, as is

Retrieving data from json-formatted data structure is much easier than working with XML

```
const human = {  
  age: 0,  
  name: 'specify',  
  gender: 'specify'  
};
```

```
const age = human.age;  
  
// object literal destructuring  
let {age} = human;
```

GETTING TO THE DATA |