Cheatography

JSON Cheat Sheet

by Mackan90096 (Mackan90096) via cheatography.com/20748/cs/3634/

Data Types

number	var myNum = 123.456;	Series of numbers; decimals ok; double-precision floating-point format
string	var myString = "abcdef";	Series of characters (letters, numbers, or symbols); double-quoted UTF-8 with backslash escaping
boolean	var myBool = true;	true or false
array	var myArray = ["a", "b", "c", "d"];	sequence of comma-separated values (any data type); enclosed in square brackets
object	var myObject = { "id": 7 };	unordered collection of comma-separated key/value pairs; enclosed in curly braces; properties (keys) are distinct strings
null	var myNull = null;	variable with null (empty) value
undefined	var myUndefined;	variable with no value assigne

Objects

```
var myObject = {
  "first": "John",
  "last": "Doe",
  "age": 39,
  "sex": "male",
  "salary": 70000,
  "registered": true
};
```

Access object properties

myObject.sex	returns "male"
myObject["age"]	returns 39
myObject[0]	returns "John"
myObject.something	returns undefined
myObject[6]	returns undefined

Array of objects

```
var myArray = [
  {
    "first": "John",
    "last": "Doe",
    "age": 39,
    "sex": "male",
    "salary": 70000,
    "registered": true
  },
  {
    "first": "Jane",
    "last": "Smith",
    "age": 42,
    "sex": "female",
    "salary": 80000,
    "registered": true
  },
  {
```

Array of objects (cont)

```
    "first": "Amy",
    "last": "Burnquist",
    "age": 29,
    "sex": "female",
    "salary": 60000,
    "registered": false
  }
];
```

Access array elements

myArray[0]	returns { "fist": "John", "last": "Doe" ... }
myArray[1]	returns { "fist": "Jane", "last": "Smith" ... }
myArray[1].first	returns "Jane"
myArray[1][2]	returns 42
myArray[2].registered	returns false
myArray[3]	returns undefined
myArray[3].sex	error: "cannot read property..."

Arrays

```
var myArray = [
  "John",
  "Doe",
  39,
  "M",
  70000,
  true
];
```

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Access array elements

myArray[1]	returns "Doe"
myArray[5]	returns true
myArray[6]	returns undefined

Nested objects and arrays

```
var myObject = {
  "ref": {
    "first": 0,
    "last": 1,
    "age": 2,
    "sex": 3,
    "salary": 4,
    "registered": 5
  },
  "jdoe1": [
    "John",
    "Doe",
    39,
    "male",
    70000,
    true
  ],
  "jsmith1": [
    "Jane",
    "Smith",
    42,
    "female",
    80000,
    true
  ]
};
```

Access nested elements

myObject.ref.first	returns 0
myObject.jdoe1	returns ["John", "Doe", 39 ...]
myObject[2]	returns ["Jane", "Smith", 42 ...]
myObject.jsmith1[3]	returns "female"
myObject[1][5]	returns true
myObject.jdoe1[myObject.ref.last]	returns "Doe"
myObject.jsmith1[myObject.ref.age]	returns 42

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