

## 04. JSON Data Types.

### 4.1. Valid Data Types

In JSON, values must be one of the following data types:

- a string
- a number
- an object (JSON object)
- an array
- a boolean
- null

JSON values cannot be one of the following data types:

- a function
- a date
- undefined

### 4.2. JSON Strings

Strings in JSON must be written in double quotes.

**Example:**

```
{ "name": "John" }
```

### 4.3. JSON Numbers

Numbers in JSON must be an integer or a floating point.

**Example:**

```
{ "age":30 }
```

## 4.4. JSON Objects

Values in JSON can be objects.

**Example:**

```
{  
  "employee":{ "name":"John", "age":30, "city":"New York" }  
}
```

Objects as values in JSON must follow the same rules as JSON objects.

## 4.5. JSON Arrays

Values in JSON can be arrays.

**Example:**

```
{  
  "employees":[ "John", "Anna", "Peter" ]  
}
```

## 4.6. JSON Booleans

Values in JSON can be true/false.

**Example:**

```
{ "sale":true }
```

## 4.7. JSON Null

Values in JSON can be null.

**Example:**

```
{ "middlename":null }
```