JSON Structure

object

```
┌──────────────────────────────────────────┐
●─┤├──({)──┬──────────────────────────────────────┬──(})──┤├──
           │  ┌─[string]──(:)──[value]──┐          │
           └──┤                         ├──────────┘
              └────────(,)──────────────┘
```

array

```
           ┌──────────────────────────────┐
●─┤├──([)──┬──────────────────────────┬──(])──┤├──
           │      ┌─[value]─┐          │
           └──────┤         ├──────────┘
                  └──(,)────┘
```

value

```
●─┤├──┬──[string]──┬──┤├──
      ├──[number]──┤
      ├──[object]──┤
      ├──[array]───┤
      ├──(true)────┤
      ├──(false)───┤
      └──(null)────┘
```

string

Any UNICODE character except " or \ or control character

\
" quotation mark
\ reverse solidus
/ solidus
b backspace
f formfeed
n newline
r carriage return
t horizontal tab
u 4 hexadecimal digits

number
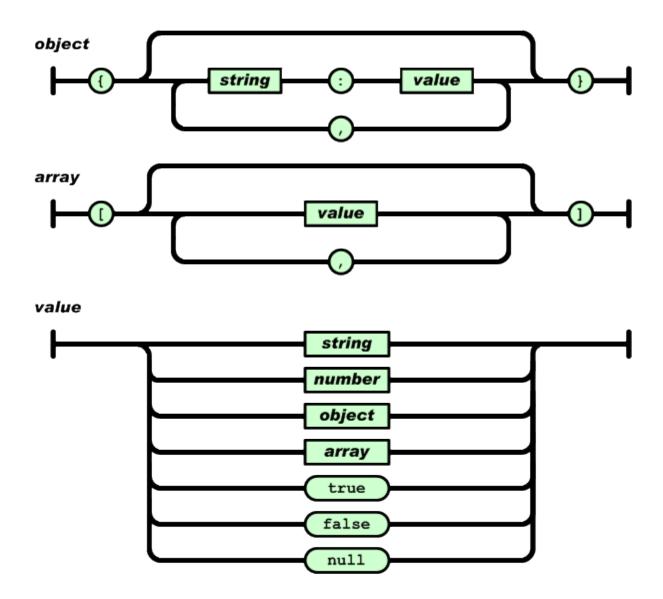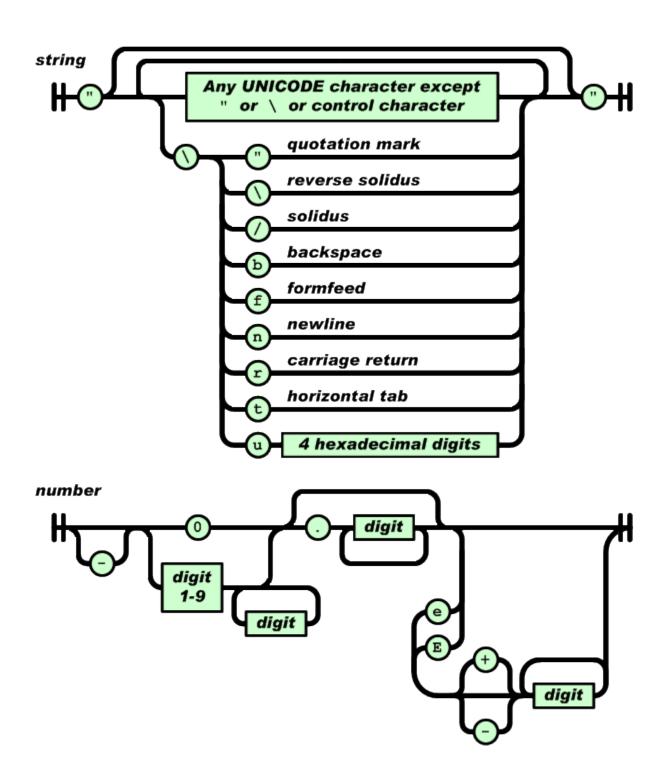

0

digit

−

digit 1-9

digit

.

e
E
+
−

digit

Here is an example of JSON data:

```
{
    "firstName": "John",
    "lastName": "Smith",
    "address": {
        "streetAddress": "21 2nd Street",
```

```
      "city": "New York",
      "state": "NY",
      "postalCode": 10021
   },
   "phoneNumbers": [
      "212 555-1234",
      "646 555-4567"
   ]
}
```