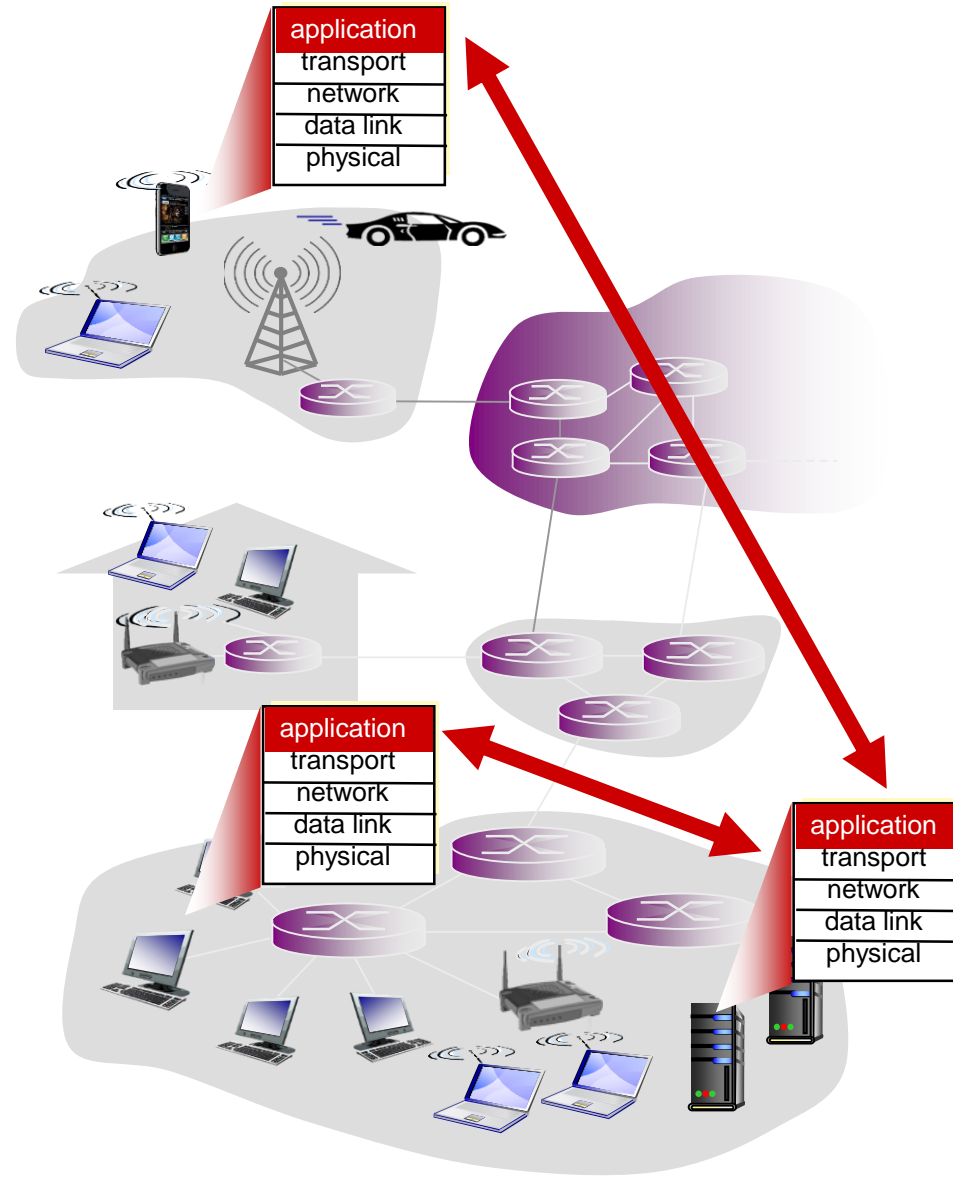


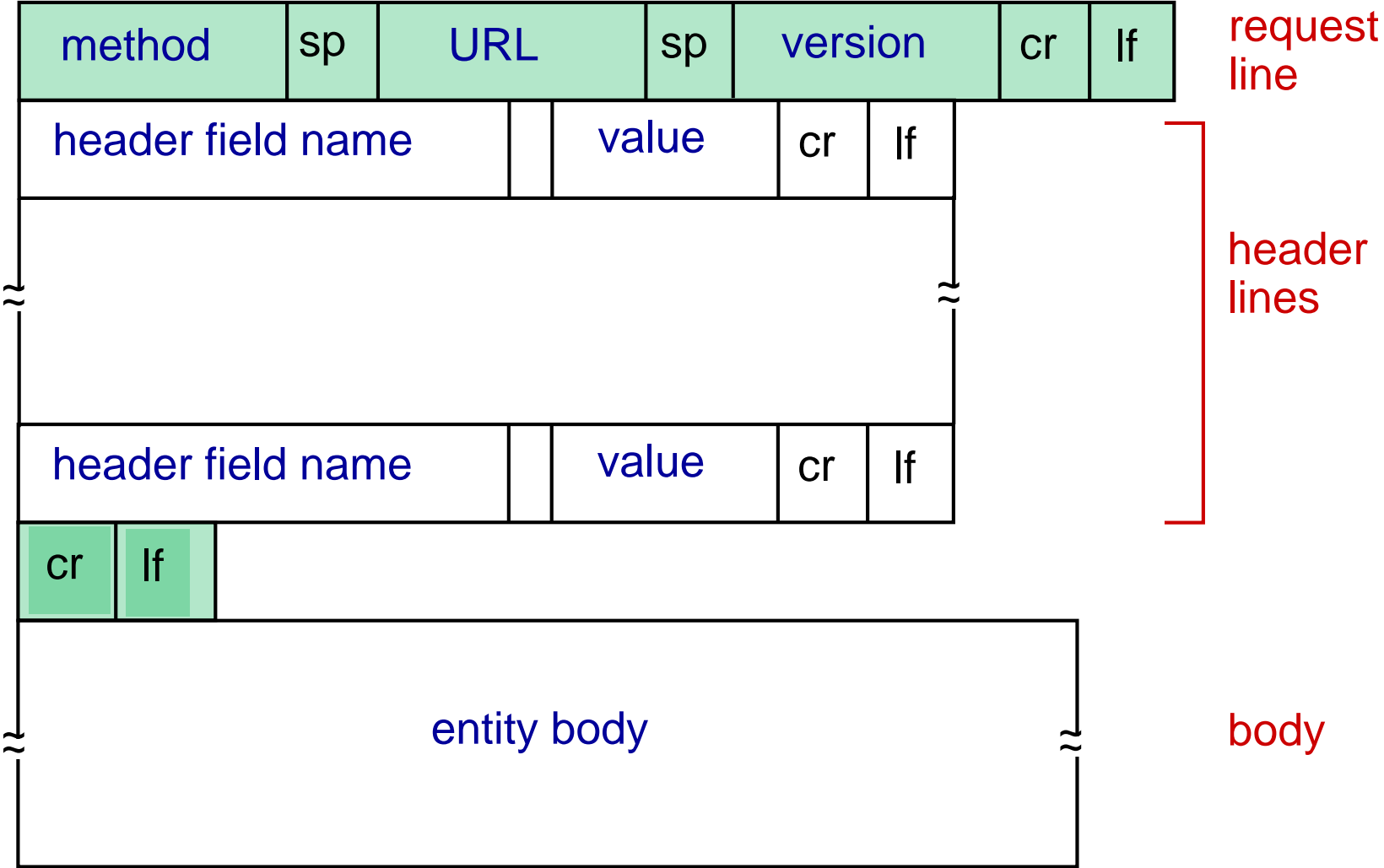
# Application HTTP (web)

Peter Levinsky, IT Roskilde

13.02.2025



# HTTP Request



Line Feed  
LF = 10

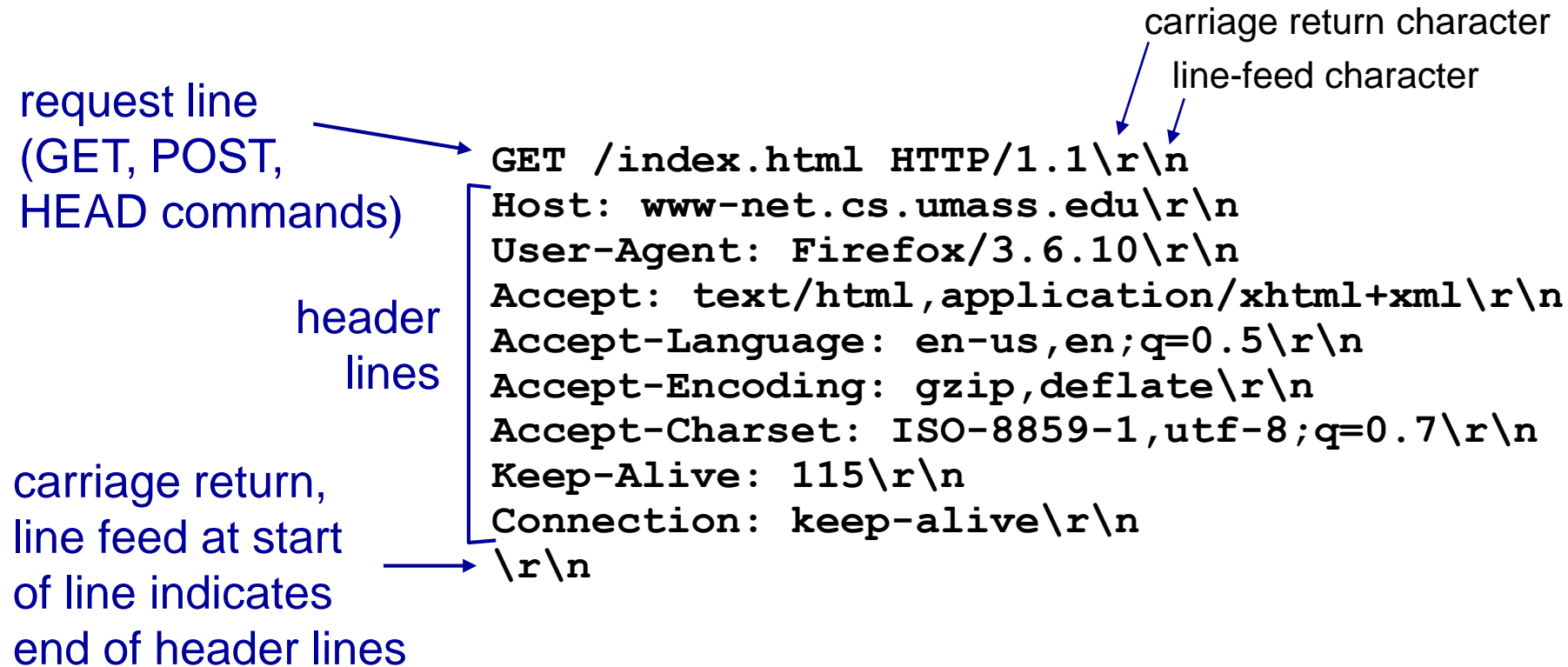
Carriage (return)  
CR = 13



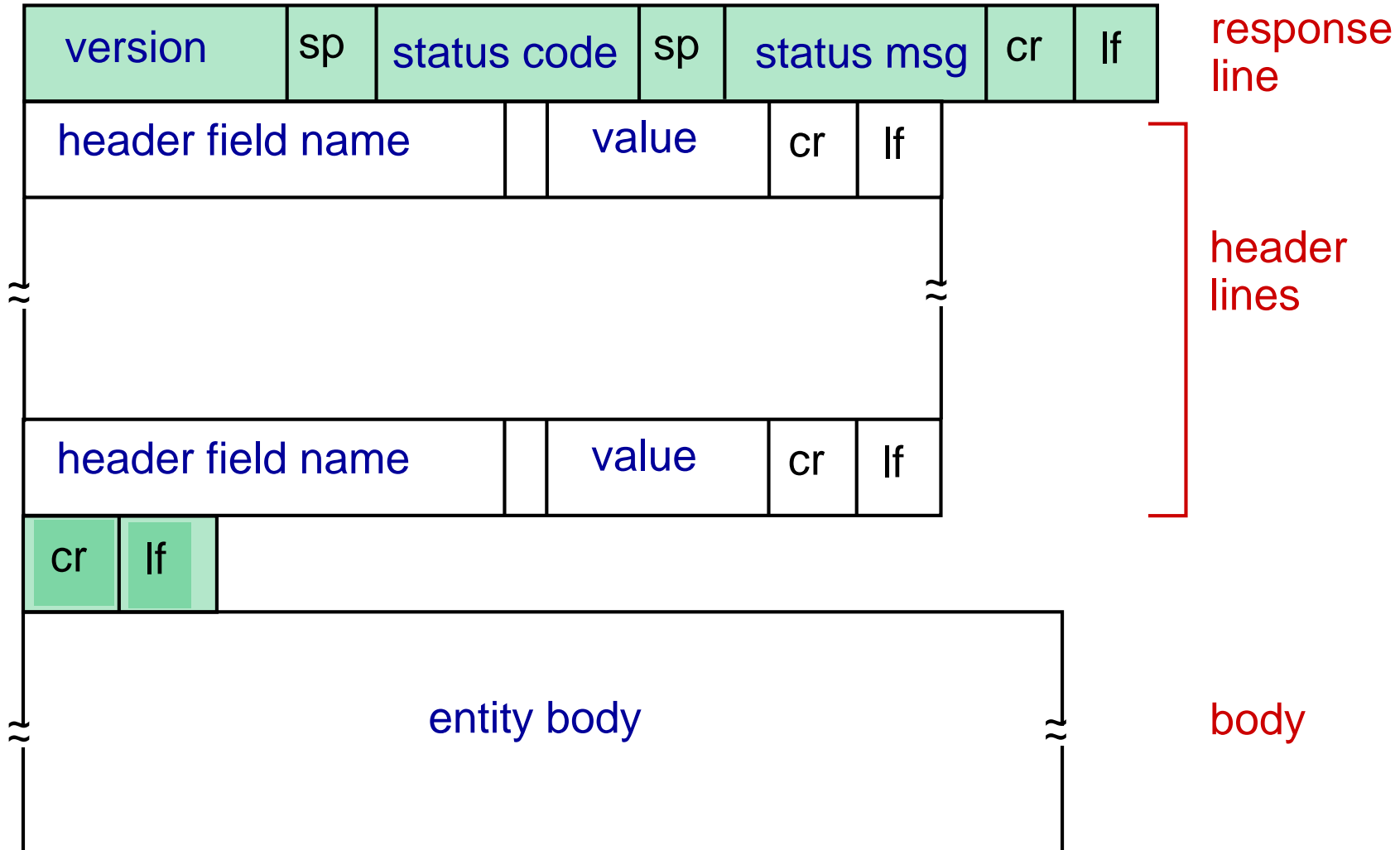
Zealand

Space SP = 32

# HTTP request message



# HTTP Response



# HTTP response message

---

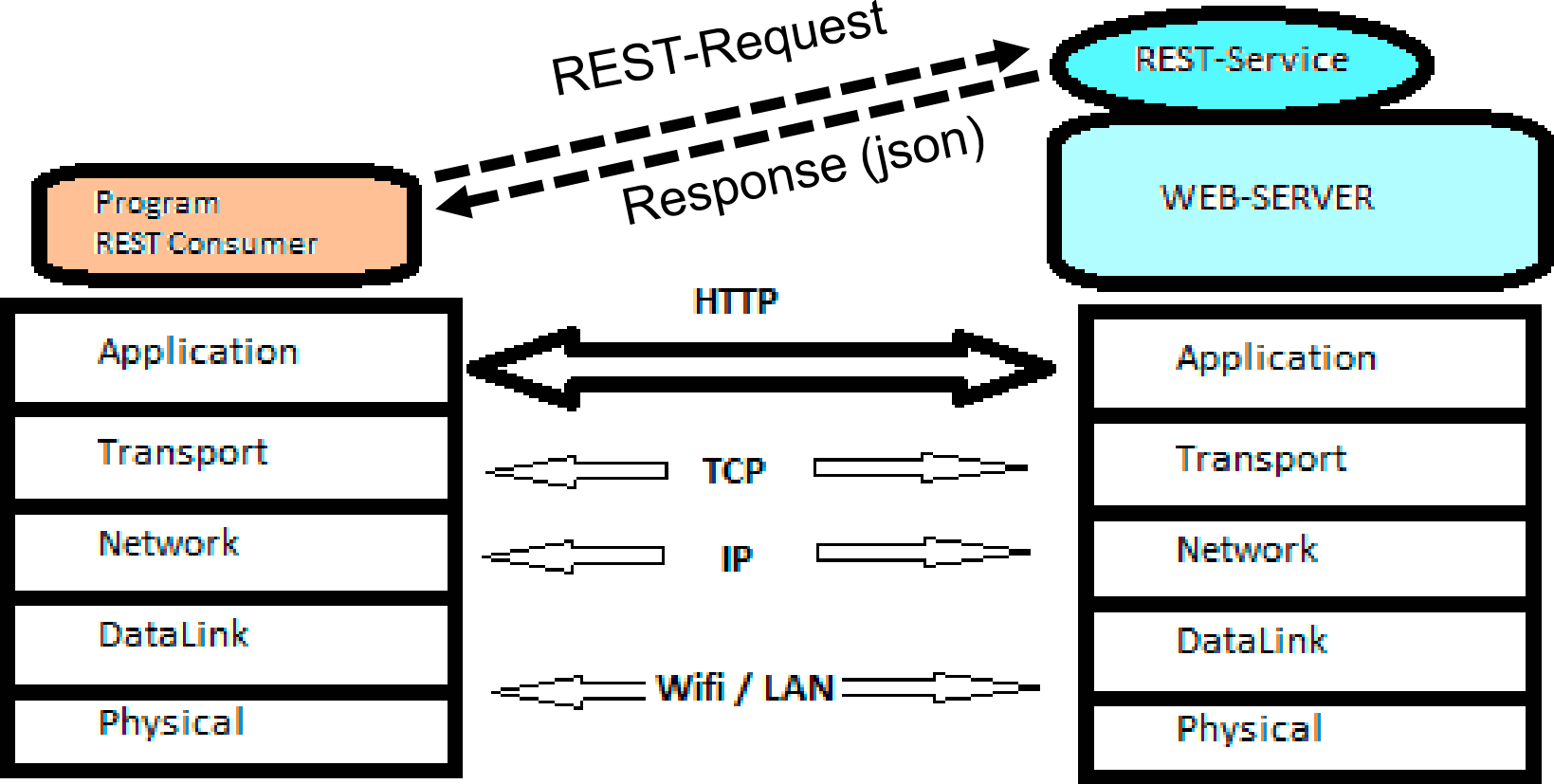
status line  
(protocol  
status code  
status phrase)

header  
lines

data, e.g.,  
requested  
HTML file

```
HTTP/1.1 200 OK\r\n
Date: Sun, 26 Sep 2010 20:09:20 GMT\r\n
Server: Apache/2.0.52 (CentOS)\r\n
Last-Modified: Tue, 30 Oct 2007 17:00:02
  GMT\r\n
ETag: "17dc6-a5c-bf716880"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 2652\r\n
Keep-Alive: timeout=10, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: text/html; charset=ISO-8859-
  1\r\n
\r\n
data data data data data ...
```

# REST (API) - Representational state transfer





# JSON - JavaScript Object Notation

- JSON specification: <https://www.json.org/json-en.html>
- Et Letvægts data-interchange format
- JSON Syntax Rules
  - Data is in name/value pairs
  - Data is separated by commas
  - Curly braces hold objects
  - Square brackets hold arrays

# JSON - eksempel

- `{"RegNo":"AB12345","Price":345000,"Model":"VW"}` =>

Car klasse med properties RegNo(string), Price(int), Model(string)

- `[{"RegNo":"AB12345","Price":345000,"Model":"VW"},  
{"RegNo":"Olsen","Price":219000,"Model":"Ford"}]` =>

List/array af Cars

# Which of the following are valid Json Objects?

`{"myList":["myName","Not my Name"]}`

`{"myList": ["myName", "Not my Name"], "moreInfo":"best list ever"}`

`{myList: ["myName", "Not my Name"], "moreInfo":"best list ever"}`

`{"myList": [{"name": "other name"}, "myName", "Not my Name"]}`

`{1, 2, 4, 8}`

`[1,2,4,"not a number"]`

`{"myList": [{"name": "other name", "list":[1,2,3]}, "myName", "Not my Name"]}`

`["myList": [{"name": "other name", "list": [1, 2, 3]}, "myName", "Not my Name"]]`

SLUT

