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# The workflow of accessing the attributes of a simply-created JSON object



Jimmy Thong · [Follow](#)

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Somebody on Hacker News just posted their [jsonbin.io](#), perfect timing for me as I am practicing accessing JSON objects in APIs.

I created a simple JSON object — mine being *TCP* personified [here](#).

```
{  
  "likes": [  
    "Reliability",  
    "Order",  
    "Error checks"  
  ],
```

```
"age": 34,  
"name": "TCP"  
}
```

Then, I reused some code from a past [holbertonschool.com](#) assignment, first trying to access the whole body of the JSON object.

```
#!/usr/bin/node  
  
const request = require('request');  
const url = 'https://jsonbin.io/591a64459208345676e6a1ed';  
  
request (url, function (error, response, body) {  
  if (error) {  
    console.log(error);  
  } else {  
    console.log(JSON.parse(body));  
  }  
});
```

Thinking this would work, I instead got an error.

```
undefined:1  
<!DOCTYPE html>  
^  
  
SyntaxError: Unexpected token < in JSON at position 0  
  at Object.parse (native)  
  at Request._callback (/home/vagrant/APIpractice/tcp.js:10:20)  
  at Request.self.callback  
(/usr/lib/node_modules/request/request.js:188:22)  
  at emitTwo (events.js:106:13)  
  at Request.emit (events.js:191:7)  
  at Request.<anonymous>  
(/usr/lib/node_modules/request/request.js:1171:10)  
  at emitOne (events.js:96:13)  
  at Request.emit (events.js:188:7)  
  at IncomingMessage.<anonymous>  
(/usr/lib/node_modules/request/request.js:1091:12)  
  at IncomingMessage.g (events.js:291:16)
```

## Getting body of JSON to print out using script [on hold]



I created a simple JSON object and am trying to write a script to print out its body contents, but am getting an error. Here is my script, with the error after.

-3



```
#!/usr/bin/node

const request = require('request');
const url = 'https://jsonbin.io/591a64459208345676e6a1ed';

request(url, function (error, response, body) {
    if (error) {
        console.log(error);
    } else {
        console.log(JSON.parse(body));
    }
});
```

Here is the error upon execution:

```
undefined:1
<!DOCTYPE html>
^

SyntaxError: Unexpected token < in JSON at position 0
  at Object.parse (native)
  at Request._callback (/home/vagrant/APIpractice/tcp.js:10:20)
  at Request.self.callback (/usr/lib/node_modules/request/request.js:188:22)
  at emitTwo (events.js:106:13)
  at Request.emit (events.js:191:7)
  at Request.<anonymous> (/usr/lib/node_modules/request/request.js:1171:10)
  at emitOne (events.js:96:13)
  at Request.emit (events.js:188:7)
  at IncomingMessage.<anonymous> (/usr/lib/node_modules/request/request.js:1091:12)
  at IncomingMessage.g (events.js:291:16)
```

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asked 24 mins ago



jimmyt

415 • 1 • 7

**put on hold** as off-topic by [deceze](#) ♦ 21 mins ago

This question appears to be off-topic for this site. While what's on- and off-topic is not always intuitive, you can learn more about it by reading the [help center](#). The users who voted to close gave this specific reason:

- "This question was caused by a problem that can no longer be reproduced or a simple typographical error. While similar questions may be on-topic here, this one was resolved in a manner unlikely to help future readers. This can often be avoided by identifying and closely inspecting the shortest program necessary to reproduce the problem before posting." – deceze

If this question can be reworded to fit the rules in the [help center](#), please [edit your question](#).

4 ▲ Your URL is wrong. The correct is [jsonbin.io/b/591a64459208345676e6a1ed](https://jsonbin.io/b/591a64459208345676e6a1ed). JSON.parse() breaks cause you're receiving rendered HTML – [juanda95](#) 22 mins ago ↗

So, I hit up stackoverflow for help, getting downvoted in the process so I have taken the question down... :(

...but I did get my answer (within 2 minutes!)...

I was accessing the wrong URL. `JSON.parse()` broke cause I received rendered HTML.

Here is the correct code with the correct URL.

```
#!/usr/bin/node

const request = require('request');
const url = 'http://jsonbin.io/b/591a64459208345676e6a1ed';

request(url, function (error, response, body) {
  if (error) {
    console.log(error);
  } else {
    console.log(JSON.parse(body));
  }
});
```

To access the respective attributes, say the “name”, you simply add that attribute to the code accordingly.

```
#!/usr/bin/node

const request = require('request');
const url = 'http://jsonbin.io/b/591a64459208345676e6a1ed';

request(url, function (error, response, body) {
  if (error) {
    console.log(error);
  } else {
    console.log(JSON.parse(body).name);
  }
});

>>> TCP
```

To access the respective an element in the array of “likes” attribute, say the first element [which is of course the 0th element], you simply add that attribute and the element you are trying to grab, to the code accordingly. [can print out all elements of the “likes” array by simply not specifying the element].

```
#!/usr/bin/node
```

```
const request = require('request');
const url = 'http://jsonbin.io/b/591a64459208345676e6a1ed';

request(url, function (error, response, body) {
  if (error) {
    console.log(error);
  } else {
    console.log(JSON.parse(body).likes[0]);
  }
});

>>> Reliability
```

## Lessons learned:

- Stroll to Hacker News every so often for new products you can use to learn stuff. Even better, follow them on Twitter ([@newsycombinator](#)) or subscribe to their email newsletter (<https://www.hndigest.com/>)

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- Use [jsonbin.io](#) to create JSON objects, access them with a JS script.

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 994 

*is pre-written code typically in the form of functions (a series of commands grouped together and named) that allow the user of a program to perform procedures or subroutines as specified by the program.*

*Functions are either written by a programmer, or provided with a given compiler.*

**CODESEG**

```

Begin:
    MOV AX, @data
    <MOV DS, AX>
    MOV DX, OFFSET HW
    MOV AH, 09H
    INT 21H
    MOV AX, 4C00H
    INT 21H
    MOV AH, 04H
    INT 21H
    END Begin
    MOV AX, 4C00H
    INT 21H
    MOV AX, 0F79H
    MOV DS, AX
    MOV AH, 09H
    INT 21H
    POP AX
    XOR DL, DL
    INT 21H
    MOV AX, 0F79H
    MOV DS, AX
    MOV AH, 09H
    INT 21H
    POP AX
    XOR DL, DL
    INT 21H
    MOV AX, 1234H
    PUSH AX
    MOV AH, 09H
    INT 21H
    POP AX
    INT 21H
    mov ax, 1234h
    push ax
    mov ah, 09h
    int 21h
    pop ax
    int 21h
    inline int call_host1(int sys, int parm)
    {
        asm ("int $0x80h"
             "a" (sys)
             "b" (parm));
        return sys;
    }

```

 Jimmy Thong in meatandmachines

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Artturi Jalli

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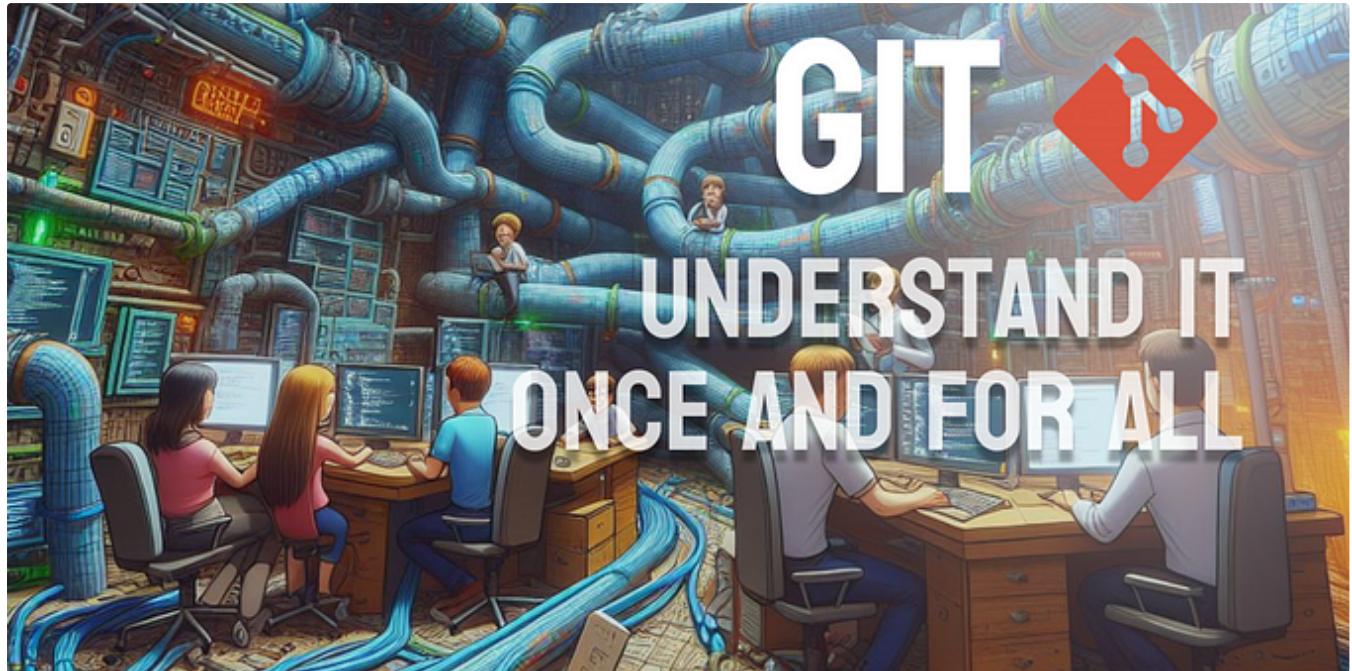
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