



Console API reference

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Technically, I'm a writer

Table of contents ▼

Use the Console API to write messages to the Console from your JavaScript. See [Get Started With Logging Messages To The Console](#) for an interactive introduction to the topic. See [Console Utilities API Reference](#) if you're looking for the convenience methods like `debug(function)` or `monitorEvents(node)` which are only available from the Console.

console.assert(expression, object)

[Log level](#): `Error`

Writes an [error](#) to the console when `expression` evaluates to `false`.

```
const x = 5;
const y = 3;
const reason = 'x is expected to be less than y';
console.assert(x < y, {x, y, reason});
```

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Ok, Got it.

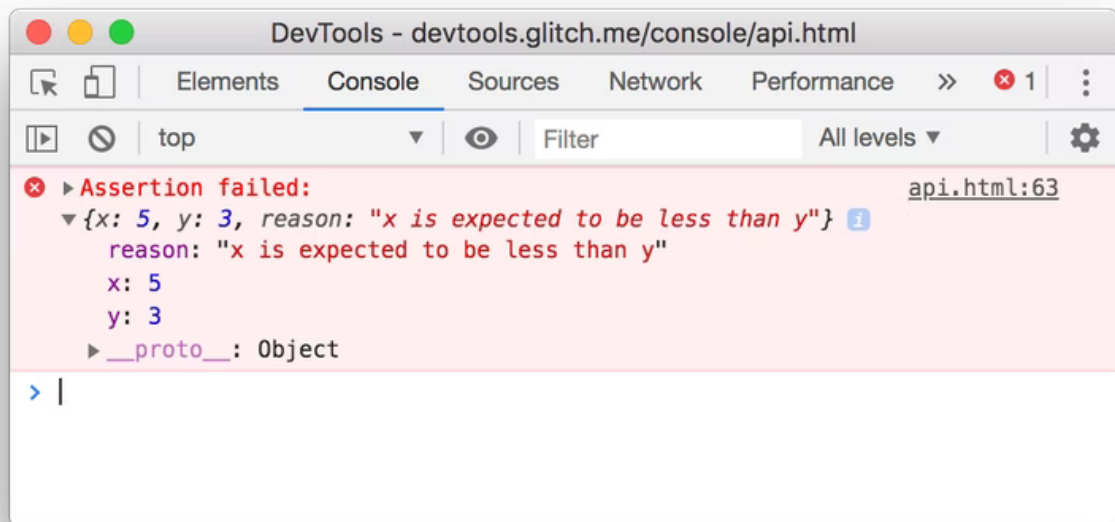


Figure 1. The result of the `console.assert()` example above.

`console.clear()`

Clears the console.

```
console.clear();
```

If [Preserve Log](#) is enabled, `console.clear()` is disabled.

See also: [Clear the Console](#)

`console.count([label])`

[Log level](#): Info

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Ok, Got it.

```
console.count();  
console.count('coffee');  
console.count();  
console.count();
```

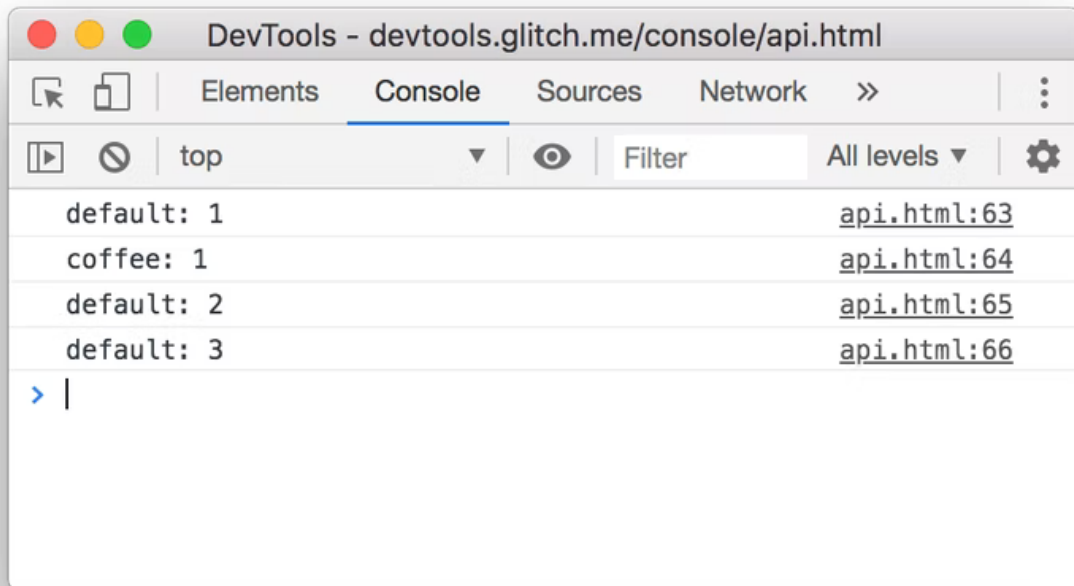


Figure 2. The result of the `console.count()` example above.

`console.countReset([label])`

Resets a count.

```
console.countReset();  
console.countReset('coffee');
```

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Ok, Got it.

Identical to `console.log(object [, object, ...])` except different log level.

```
console.debug('debug');
```

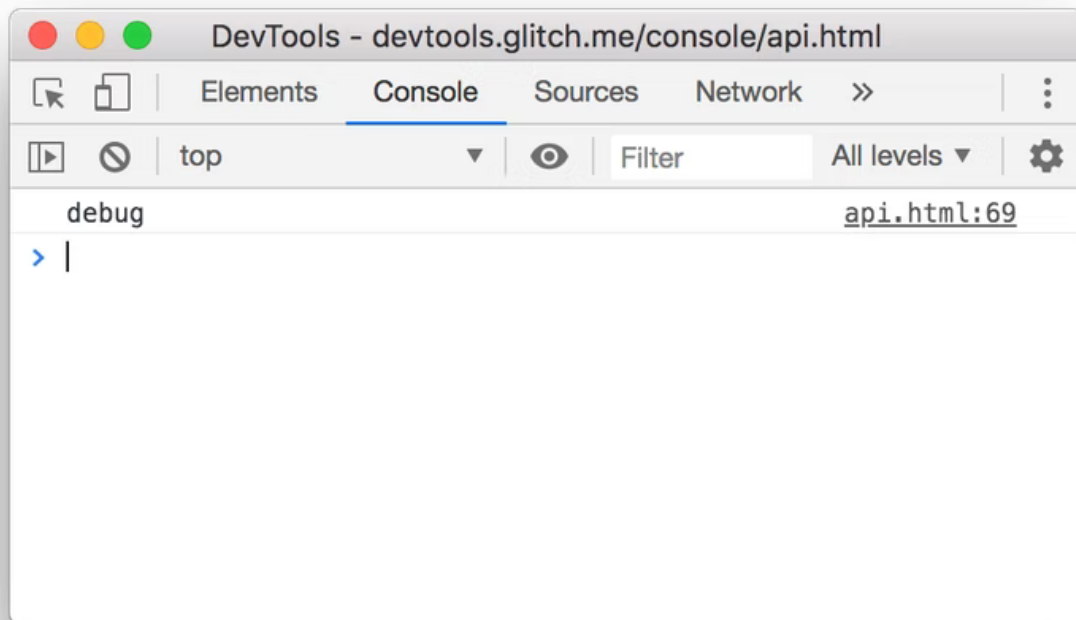


Figure 3. The result of the `console.debug()` example above.

console.dir(object)

Log level: Info

Prints a JSON representation of the specified object.

```
console.dir(document.head);
```

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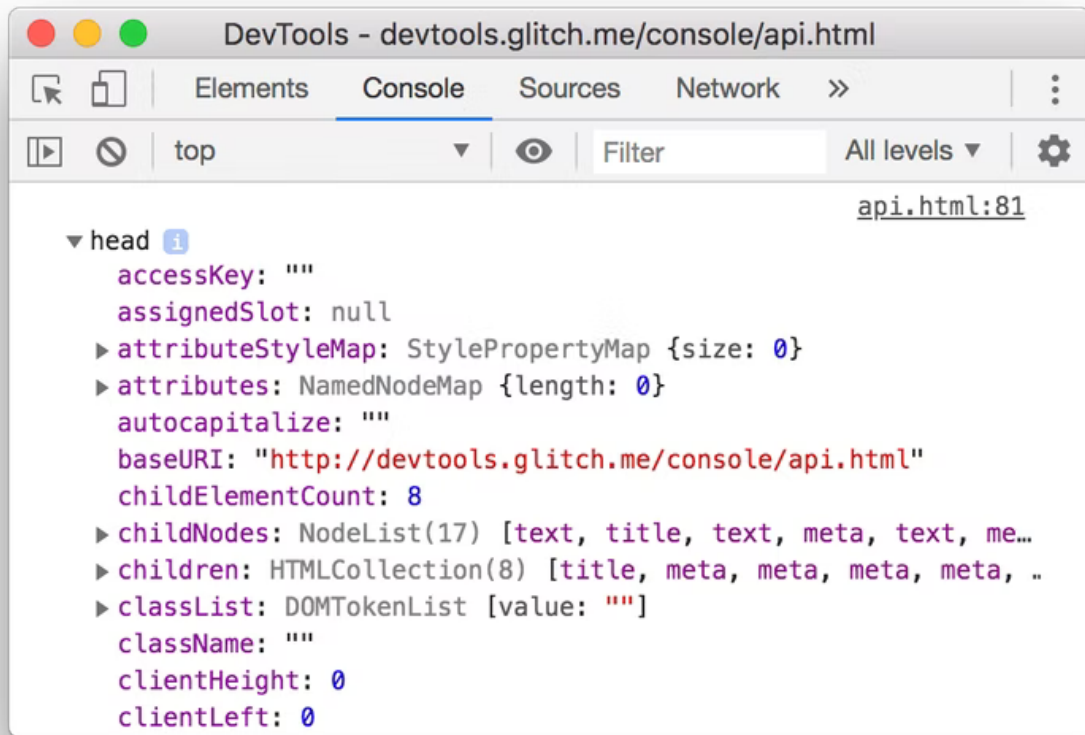


Figure 4. The result of the `console.dir()` example above.

`console.dirxml(node)`

[Log level:](#) Info

Prints an XML representation of the descendants of `node`.

```
console.dirxml(document);
```

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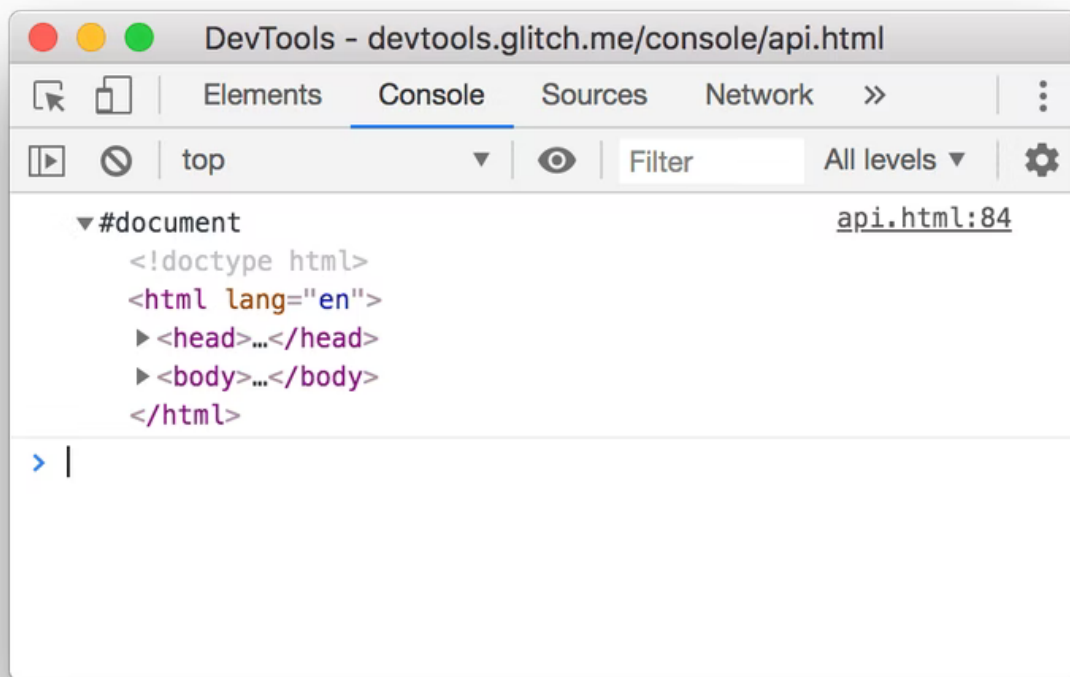


Figure 5. The result of the `console.dirxml()` example above.

`console.error(object [, object, ...])`

[Log level:](#) `Error`

Prints `object` to the Console, formats it as an error, and includes a stack trace.

```
console.error("I'm sorry, Dave. I'm afraid I can't do that.");
```

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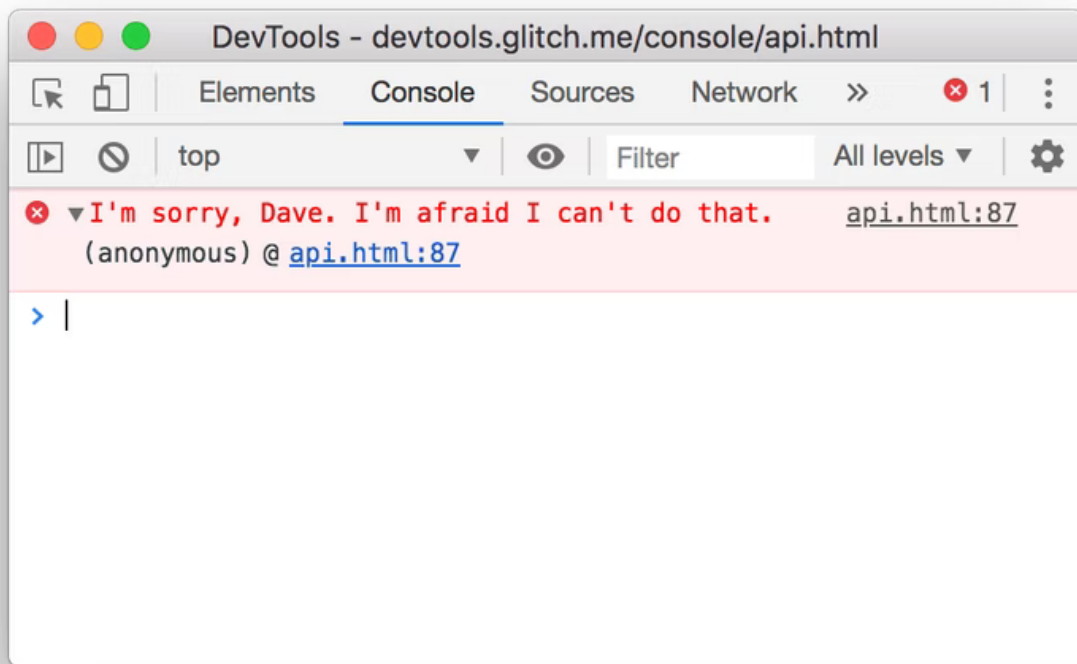


Figure 6. The result of the `console.error()` example above.

`console.group(label)`

Visually groups messages together until `console.groupEnd(label)` is called. Use `console.groupCollapsed(label)` to collapse the group when it's initially logged to the Console.

```
const label = 'Adolescent Irradiated Espionage Tortoises';
console.group(label);
console.info('Leo');
console.info('Mike');
console.info('Don');
console.info('Raph');
```

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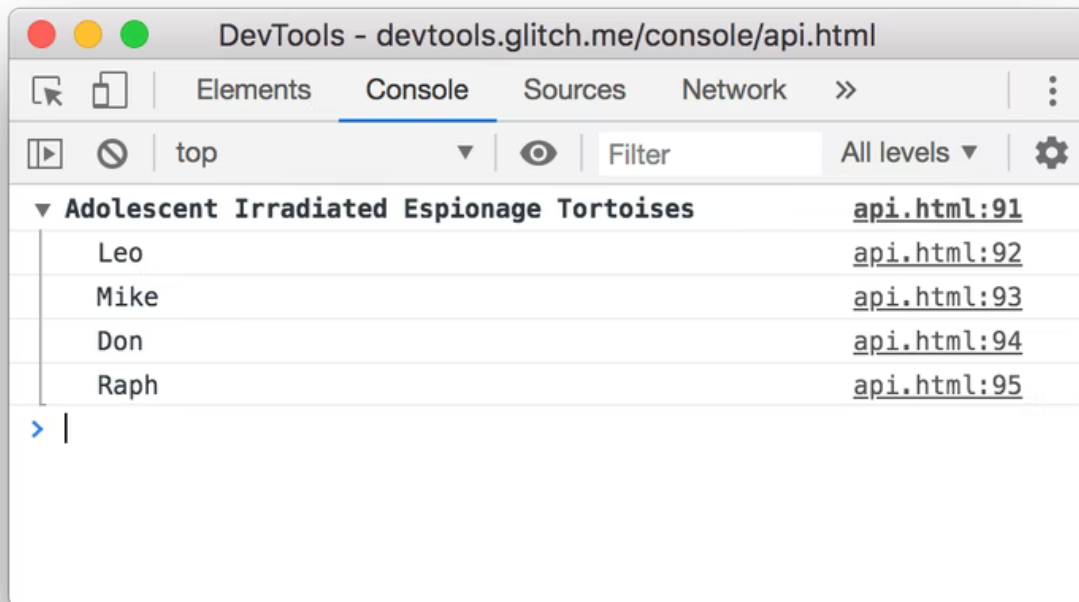


Figure 7. The result of the `console.group()` example above.

`console.groupCollapsed(label)`

Same as `console.group(label)`, except the group is initially collapsed when it's logged to the Console.

`console.groupEnd(label)`

Stops visually grouping messages. See `console.group`.

`console.info(object [, object, ...])`

[Log level:](#) Info

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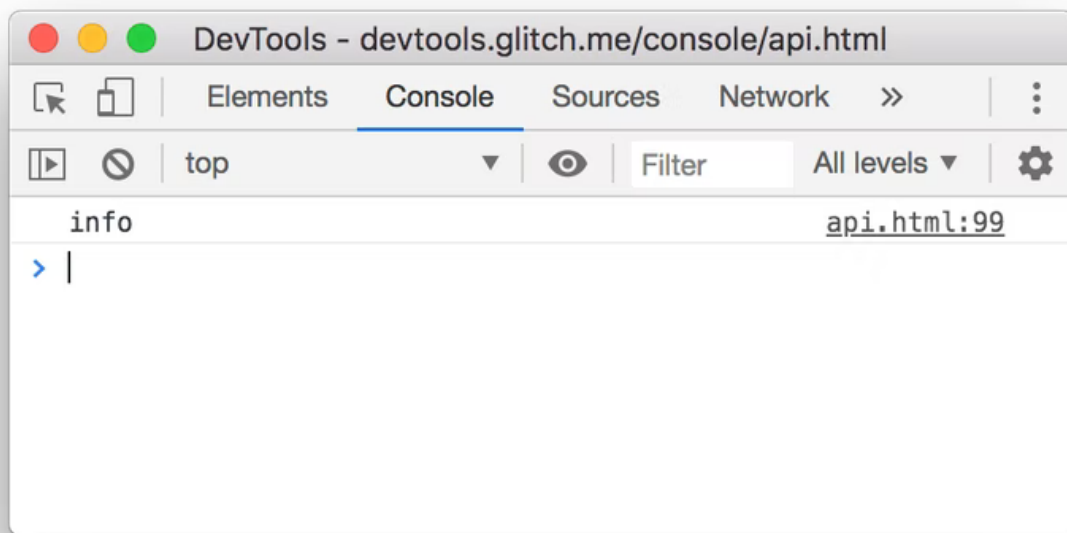


Figure 8. The result of the `console.info()` example above.

`console.log(object [, object, ...])`

Log level: Info

Prints a message to the Console.

```
console.log('log');
```

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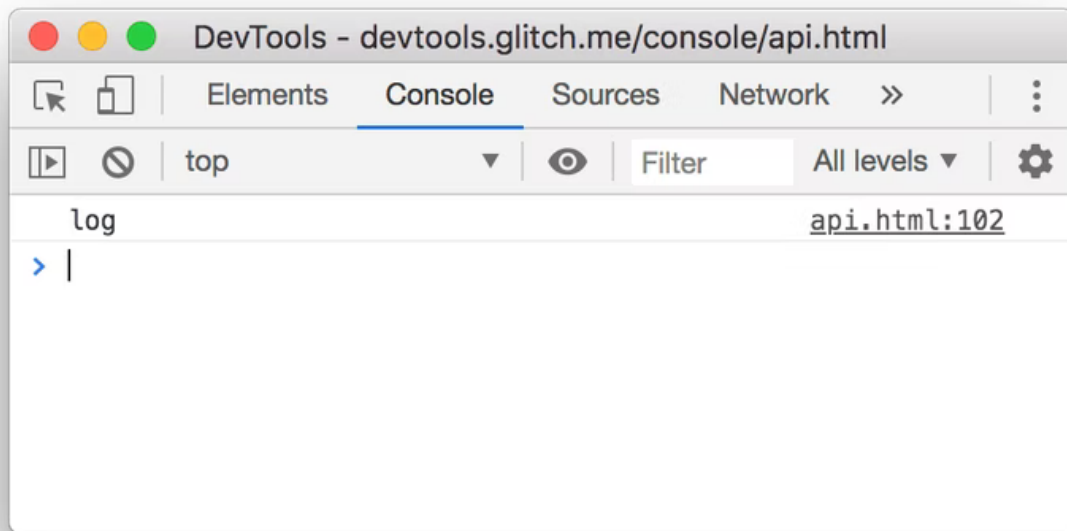


Figure 9. The result of the `console.log()` example above.

`console.table(array)`

[Log level:](#) Info

Logs an array of objects as a table.

```
console.table([
  {
    first: 'René',
    last: 'Magritte',
  },
  {
    first: 'Chaim',
    last: 'Soutine',
    birthday: '1893-01-12'
```

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Ok, Got it.

```
}  
]);
```

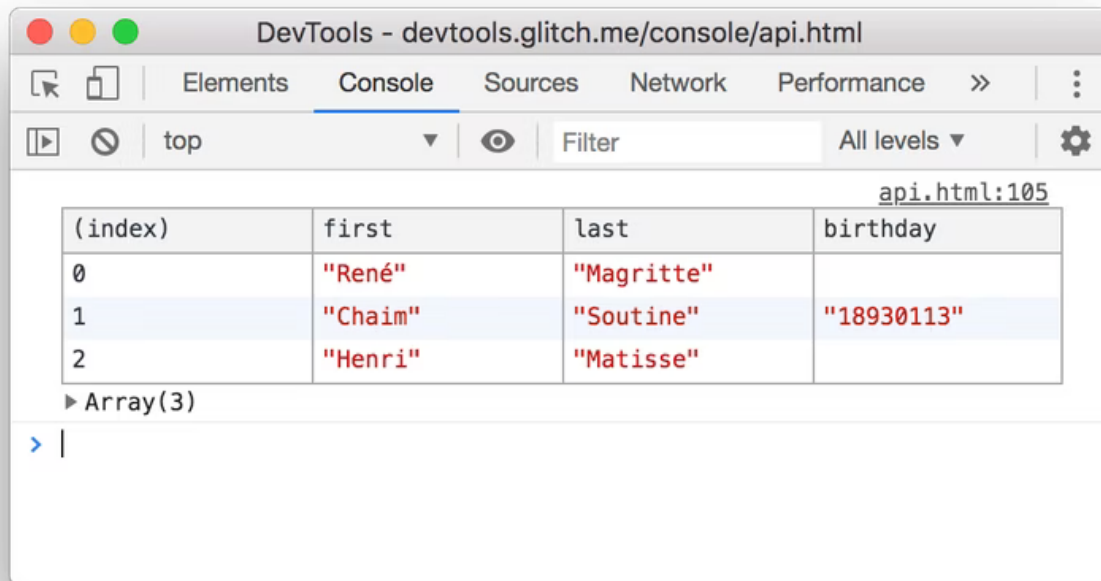


Figure 10. The result of the `console.table()` example above.

`console.time([label])`

Starts a new timer. Call `console.timeEnd([label])` to stop the timer and print the elapsed time to the Console.

```
console.time();  
for (var i = 0; i < 100000; i++) {  
  let square = i ** 2;  
}  
console.timeEnd();
```

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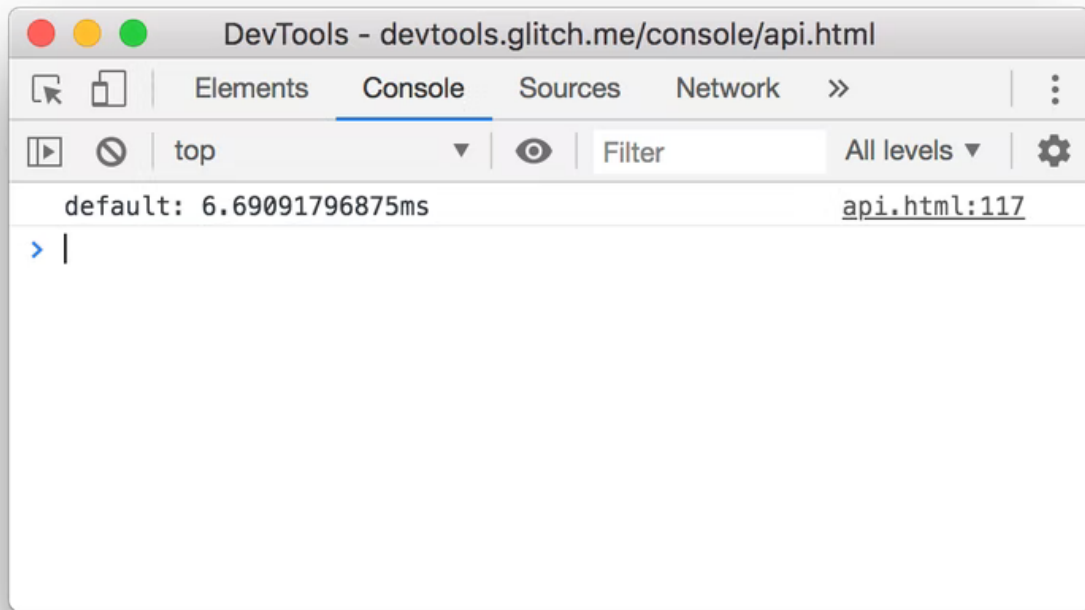


Figure 11. The result of the `console.time()` example above.

`console.timeEnd([label])`

[Log level:](#) Info

Stops a timer. See [console.time\(\)](#).

`console.trace()`

[Log level:](#) Info

Prints a stack trace to the Console.

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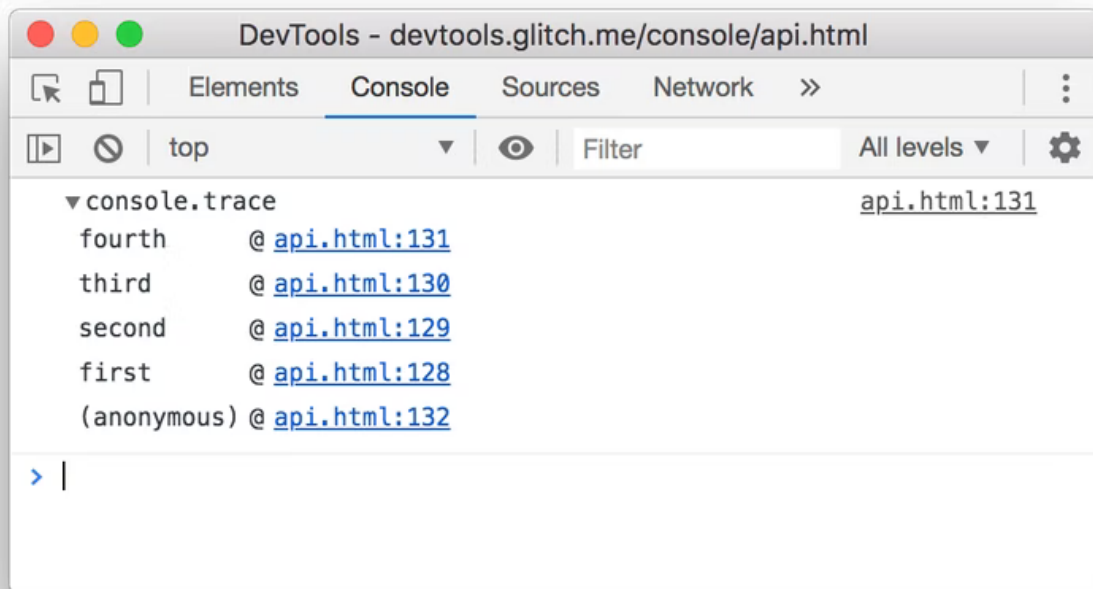


Figure 12. The result of the `console.trace()` example above.

`console.warn(object [, object, ...])`

[Log level:](#) `Warning`

Prints a warning to the Console.

```
console.warn('warn');
```

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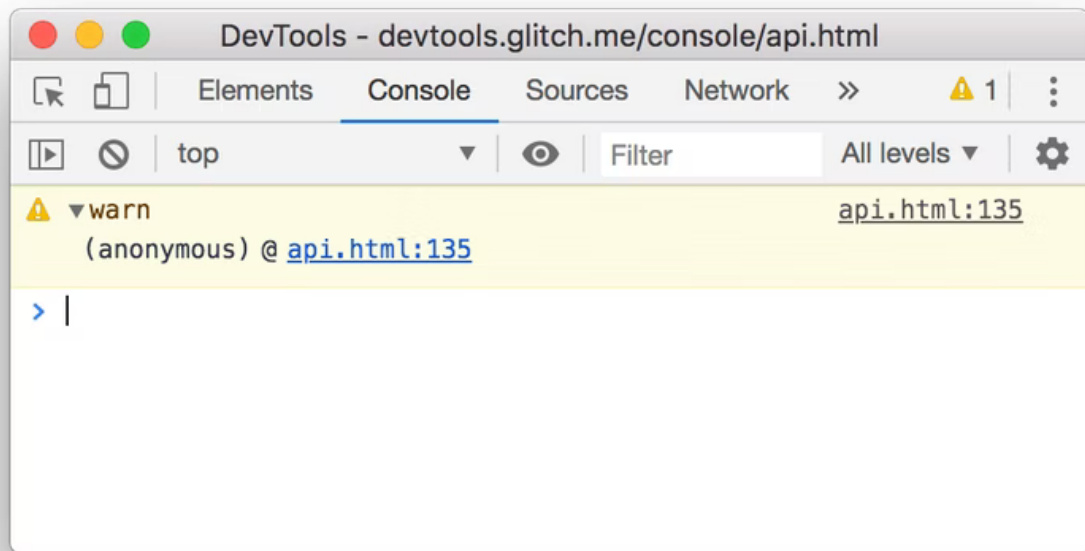


Figure 13. The result of the `console.warn()` example above.

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