



[quickjs-devel] Re: An issue about arguments

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This is another point where there is no consensus among the various JS engines, so it is not really a bug. To be more precise:

- ES2019 tells that the engine should throw an exception as does QuickJS.
- SpiderMonkey returns null.
- V8 returns undefined.

The same problem is present for `(function(){}).caller`, but it is even worse as the TC39 test262 testsuite has contradictory tests.

QuickJS has a workaround for the "caller" field i.e. it returns undefined in sloppy mode and throws in strict mode. In order to be more consistent, I will add the same workaround for the "argument" field and disable the corresponding test262 test (`built-ins/Function/prototype/restricted-property-arguments.js`).

Best regards,

Fabrice.

On 12/20/19 3:21 AM, 熊猫 wrote:

```
> # Version: quickjs-2019-10-27
>
> # Testcase:
> var NISLFuzzingFunc = function(){
>   var c = function(){};
>   print(c.arguments);
> };
> NISLFuzzingFunc();
>
> # Command:
> quickjs-2019-10-27/qjs testcase.js
>
> # Output:
> TypeError: invalid property access
>
> # Expected output:
```

> undefined
>
> # Description:
> "arguments" is restricted in strict mode not non-strict mode, so it
> should not throw any exceptions.
>
> Best Regards,
> Livy