

**NAME**

Test::TypeTiny – useful functions for testing the efficacy of type constraints

**SYNOPSIS**

```
use strict;
use warnings;
use Test::More;
use Test::TypeTiny;

use Types::Mine qw(Integer Number);

should_pass(1, Integer);
should_pass(-1, Integer);
should_pass(0, Integer);
should_fail(2.5, Integer);

ok_subtype(Number, Integer);

done_testing;
```

**STATUS**

This module is covered by the Type-Tiny stability policy.

**DESCRIPTION**

Test::TypeTiny provides a few handy functions for testing type constraints.

**Functions**

```
should_pass($value, $type, $test_name)
should_pass($value, $type)
    Test that passes iff $value passes $type->check.
```

```
should_fail($value, $type, $test_name)
should_fail($value, $type)
    Test that passes iff $value fails $type->check.
```

```
ok_subtype($type, @subtypes)
    Test that passes iff all @subtypes are subtypes of $type.
```

**EXTENDED\_TESTING**

Exportable boolean constant.

**matchfor(@things)**

Assistant for matching exceptions. Not exported by default. See also `Test::Fatal::matchfor`.

**ENVIRONMENT**

If the `EXTENDED_TESTING` environment variable is set to true, this module will promote each `should_pass` or `should_fail` test into a subtest block and test the type constraint in both an inlined and non-inlined manner.

This variable must be set at compile time (i.e. before this module is loaded).

**BUGS**

Please report any bugs to <<http://rt.cpan.org/Dist/Display.html?Queue=Type-Tiny>>.

**SEE ALSO**

Type::Tiny.

For an alternative to `should_pass`, see `Test::Deep::Type` which will happily accept a `Type::Tiny` type constraint instead of a `MooseX::Types` one.

**AUTHOR**

Toby Inkster <[tobyink@cpan.org](mailto:tobyink@cpan.org)>.

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