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.

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