

Contribution:Dancer

Perl 5

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<http://101companies.org/wiki/Contribution:dancer>

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1. Perl

- ▶ Scripting Language of the Perl/Ruby/Python Family
- ▶ Multi-Paradigm, TMTOWTDI
- ▶ Implementation-Only, No Specification
- ▶ Extensive, Centralized Module Repository (CPAN)

2. Moops

- ▶ Perl's OO is Orthogonal, Meaning "Stupid and Verbose"
- ▶ Luckily, Perl is Extensible

```
package Point;
use strict;
use warnings;

sub new {
    my $class = shift;
    my $mess = {x => 0, y => 0, @_};
    bless $mess => $class;
}

sub x {
    my ($self, $x) = @_;
    $self->{x} = $x if defined $x;
    $self->{x};
}

sub y {
    my ($self, $y) = @_;
    $self->{y} = $y if defined $y;
    $self->{y};
}

sub distance {
    my ($self, $p) = @_;
    sqrt(($self->x - $p->x) ** 2 + ($self->y - $p->y) ** 2);
}
```

```
use Moops;

class Point {
    has 'x' => {is => rw, isa => 'Num', default => 0};
    has 'y' => {is => rw, isa => 'Num', default => 0};

    method distance(Point $p) {
        sqrt(($self->x - $p->x) ** 2 + ($self->y - $p->y) ** 2);
    }
}
```

3. Dancer

- ▶ Web Application Framework
- ▶ Inspired by Sinatra, like Bottle, Flask, Spark etc.
- ▶ Embedded Domain-Specific Language

```
#!/usr/bin/perl
use strict;
use warnings;
use Dancer;

get '/'      => sub { 'Hello, World!' };

get '/:name' => sub { 'Hello, ' . param('name') . '!' };

dance
```

Demonstration

Thank You All For Listening

Visit <http://75.136.142.69:3000/>