

Modern Perl

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Basics

**“Perl is a high level,
general purpose,
interpreted, dynamic
programming language”**

- Wikipedia, (<http://en.wikipedia.org/wiki/Perl>)



General Purpose

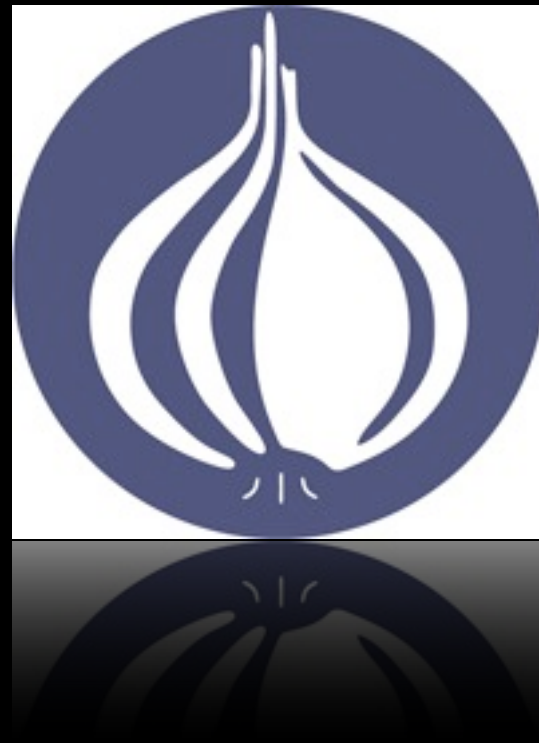


Interpreted



Dynamic

Open / Free Software



Community Driven
Programmer Focused
Distributed Development



Comprehensive Perl Archive Network

YOU CAN NEVER HAVE TOO MANY PERL MODULES

[Home](#)[Modules](#)[Ports](#)[Perl Source](#)[FAQ](#)[Mirrors](#)

Search:

Welcome to CPAN

The Comprehensive Perl Archive Network (CPAN) currently has [100,833 Perl modules](#) in 23,620 distributions, written by 9,294 authors, [mirrored](#) on 269 servers.

The archive has been online since October 1995 and is constantly growing.

Search CPAN via

- [metacpan.org](#)
- [search.cpan.org](#)

Recent Uploads

- [DBIx-Goose-0.03](#)
- [DBIx-Goose-0.01](#)
- [Devel-Trepan-v0.1.0](#)
- [Array-Columnize-v0.3.6](#)
- [Proc-Supervised-Convenience-1.01](#)
- [Crypt-Keyczar-0.07](#)
- [DBIx-Inline-0.03](#)
- [XML-Atom-OWL-0.103](#)
- [Sub-Spec-Object-0.02](#)
- [DBIx-DataFactory-0.0.1](#)
- [more...](#)

Getting Started

- [Installing Perl Modules](#)
- [Learn Perl](#)

Perl Resources

- [The Perl Programming language](#)
- [Perl Documentation](#)
- [Mailing Lists](#)
- [Perl FAQ](#)
- [Scripts Repository](#)

Yours Eclectically, The Self-Appointed Master Librarians (OOK!) of the CPAN.
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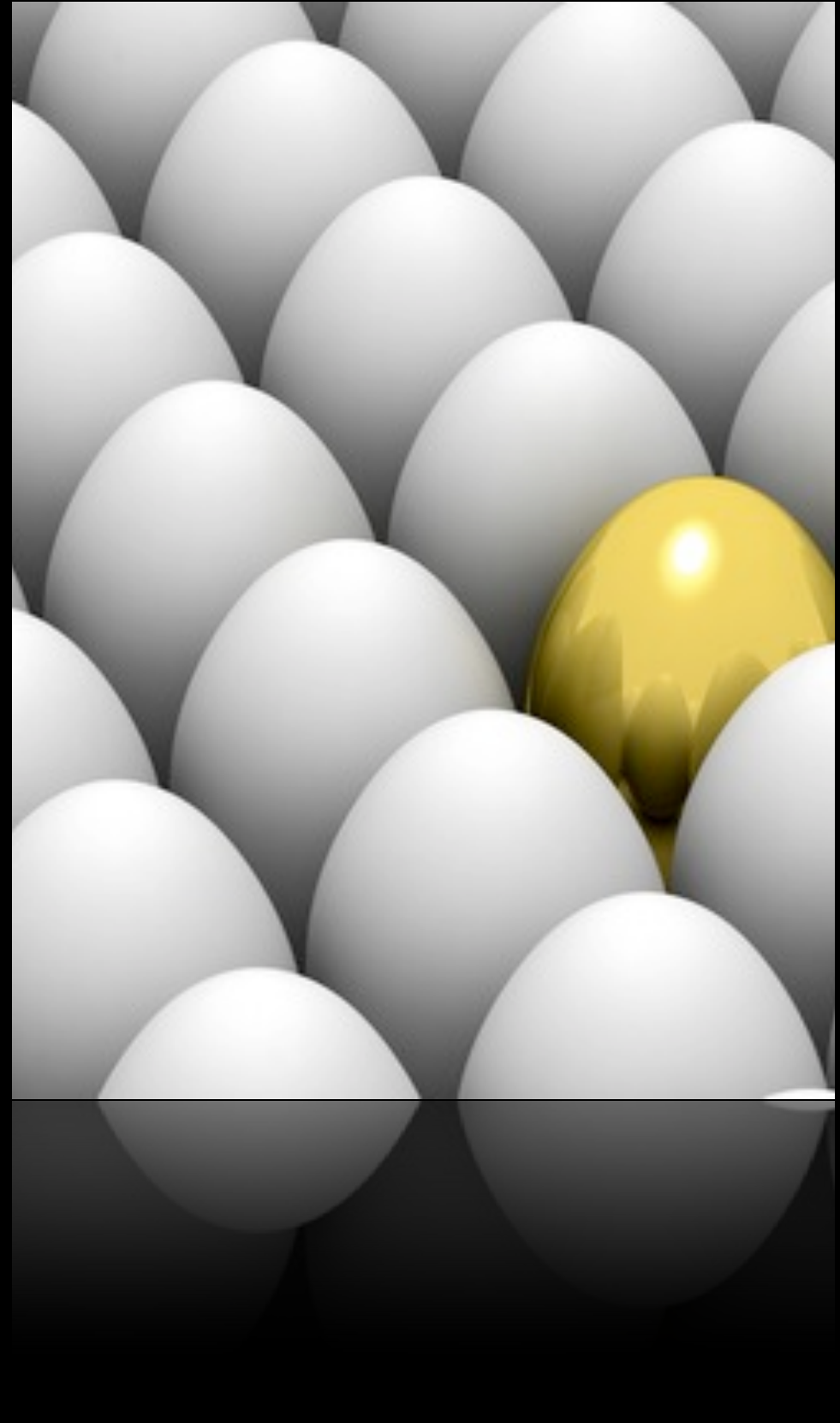
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My Number One Reason to use Perl

Similar Programming Languages

Python
Javascript
Ruby
PHP
Bash

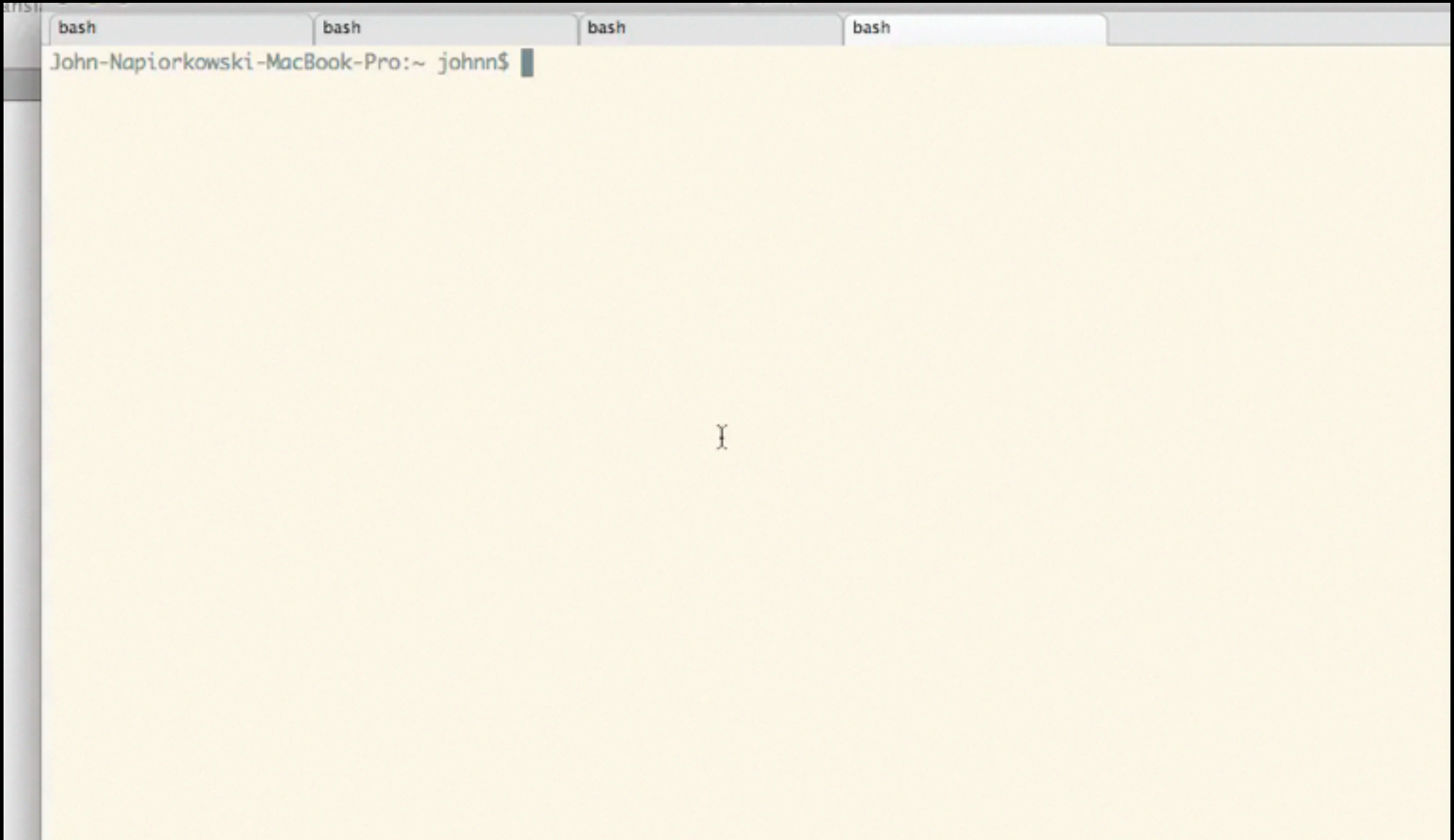


The Tutorial



One Liner

```
$perl -MMModern::Perl -ne 'say "Hello ". $_'  
John  
Hello John
```



Run It!



Step By Step

The Interpreter

```
$ perl -MMModern::Perl -ne 'say "Hello ". $_'
```

Switches

```
$ perl -MMModern::Perl -ne 'say "Hello ". $_'
```

Inlined Script

```
$perl -MMModern::Perl -ne 'say "Hello ". $_'
```

STDIN and STDOUT

```
$perl -MMModern::Perl -ne 'say "Hello ". $_'
```

John

Hello John

Simple Script

```
#!/usr/bin/env perl  
  
use Modern::Perl;  
say "Hello ". shift;
```

```
$ perl myscript.pl John
```

```
Hello John
```

Simple Object

```
package HelloName;
use Moose;

has name => (is=> "ro", required=>1);

sub hello {
    my ($self) = @_;
    "Hello ".$self->name;
}

1;
```

Using Your Object

```
#!/usr/bin/env perl
```

```
use Modern::Perl;
```

```
use HelloName;
```

```
my $obj = HelloName->new(name=> shift);
```

```
say $obj->hello;
```



```
$ perl myscript2.pl John
```

Hello John!



Does It Work?

Simple Test Case

```
use HelloName;  
use Test::Most;
```

```
my $obj = HelloName->new(name=>'John');
```

```
is $obj->name, 'John';
```

```
is $obj->hello, 'Hello John!';
```

```
done_testing;
```

```
$ prove -v hello-name.t
```

```
hello-name.t ..
```

```
ok 1
```

```
ok 2
```

```
1..2
```

```
ok
```

All tests successful.

Files=1, Tests=2, 0 wallclock secs

Result: PASS

Simple Website

```
use HelloName;
```

```
my $obj = HelloName->new( name =>  
    $ENV{HelloName_name} );
```

```
sub {  
    return [  
        200, [ "Content-Type" => "text/plain"],  
        [ $obj->hello ],  
    ];  
};
```

```
$ HelloName_name=John plackup app.psgi  
HTTP::Server::PSGI: Accepting connections  
at http://0:5000/
```

“plackup” ?



perldoc plackup



Search the CPAN

I'm Feeling Lucky

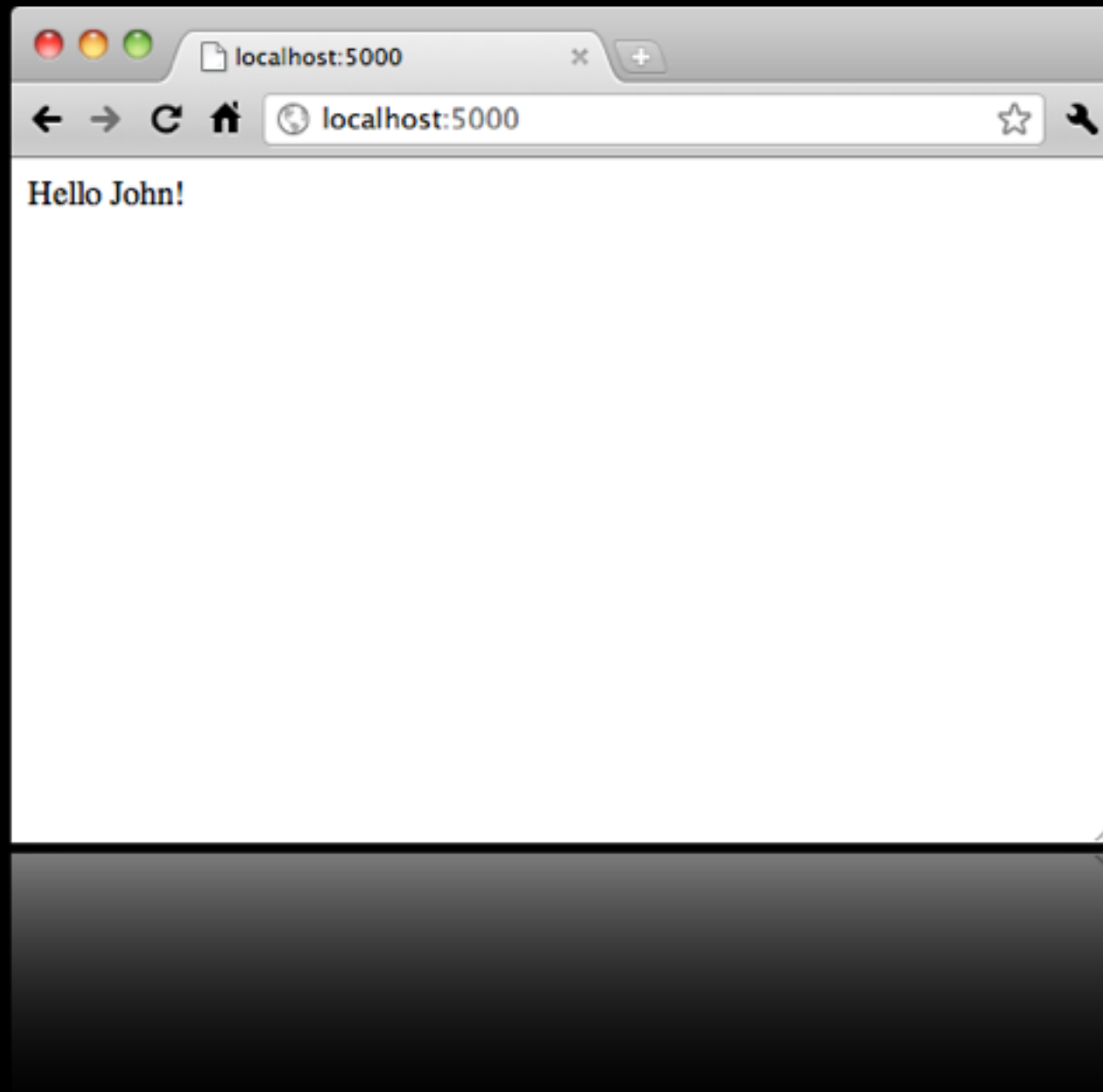
Hint: Press shift and enter if you are feeling lucky

[API](#)

[About MetaCPAN](#)

[Fork metacpan.org](#)

<http://metacpan.org/>



Running Web Site!

Review Key Concepts



How to Learn More

- ▶ Modern Perl book
- ▶ Task::Kensho
- ▶ perl.org
- ▶ Books (Catalyst Book)
- ▶ IRC and Mailing lists

“Perl was always
designed to be an
Evolving Language”

- **Larry Wall**, Original Perl Language Designer



Questions?