

INSTALLATION OF PERL6

\$ wget https://rakudo.perl6.org/downloads/star/rakudostar-2018.10.tar.gz

\$ tar xfz rakudo-star-2018.10.tar.gz \$ cd rakudo-star-2018.10

\$ perl Configure.pl --gen-moar --make-install --prefix ~/rakudo

CONFIGURE PATH

export

PATH=~/rakudo/bin:~/rakudo/ share/perl6/site/bin:\$PATH



\$ zef install App::Mi6

CALCULATOR

\$ mi6 new Calculator Successfully created Calculator



DISTRIBUTION SKELETON

\$ tree Calculator/

Calculator/

— bin

— Changes

— dist.ini

— lib

Calculator.pm6

— LICENSE

— META6.json

--- README.md

— t

└─ 01-basic.t

3 directories, 7 files

DEFINE CLASS

(lib/Calculator.pm6)

```
use v6.c;

class Calculator:ver<0.0.1> {
    has Int $.x is required;
    has Int $.y is required;
```

add methods here

ADD OPERATION

method add() {
 return self.x + self.y;

SUBSTRACT OPERATION

method substract() {
 return self.x - self.y;

MULTIPLY OPERATION

method multiply() {
 return self.x * self.y;

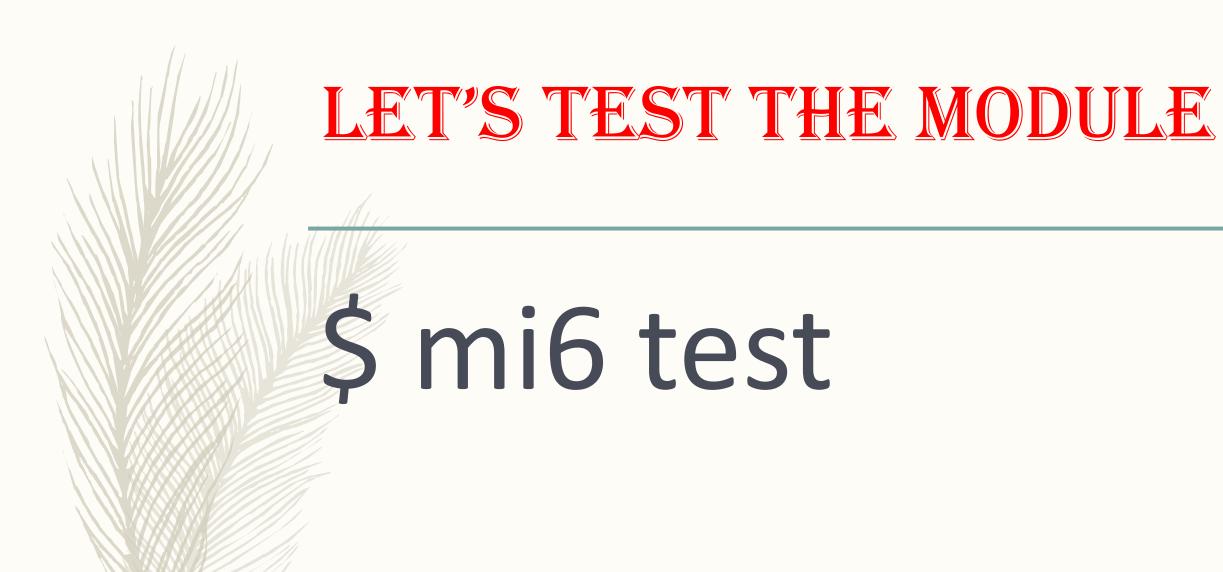
DIVIDE OPERATION

method divide() {
 return self.x / self.y;

SETUP UNIT TEST

(t/01-basic.t)

```
use v6.c;
use Test;
use Calculator;
my c = Calculator.new(:x<10>,:y<5>);
is $c.add(), 15, '10+5';
is $c.substract(), 5, '10-5';
is $c.multiply(), 50, '10*5';
is $c.divide(), 2, '10/5';
done-testing;
```



DATA VALIDATION?

has Int \$.x is required;

has Int \$.y is required;

becomes

has Int \$.x is required where * > 0;

has Int \$.y is required where * > 0;

WANT MORE?

method TWEAK(:\$!x!, :\$!y!) {
 die 'ERROR: x should be > y.'
 unless \$!x > \$!y;

BUILD FINALLY

\$ mi6 test \$ mi6 build

CREDIT GOES TO

Scimon Proctor J J Merelo Perl Weekly Challenge