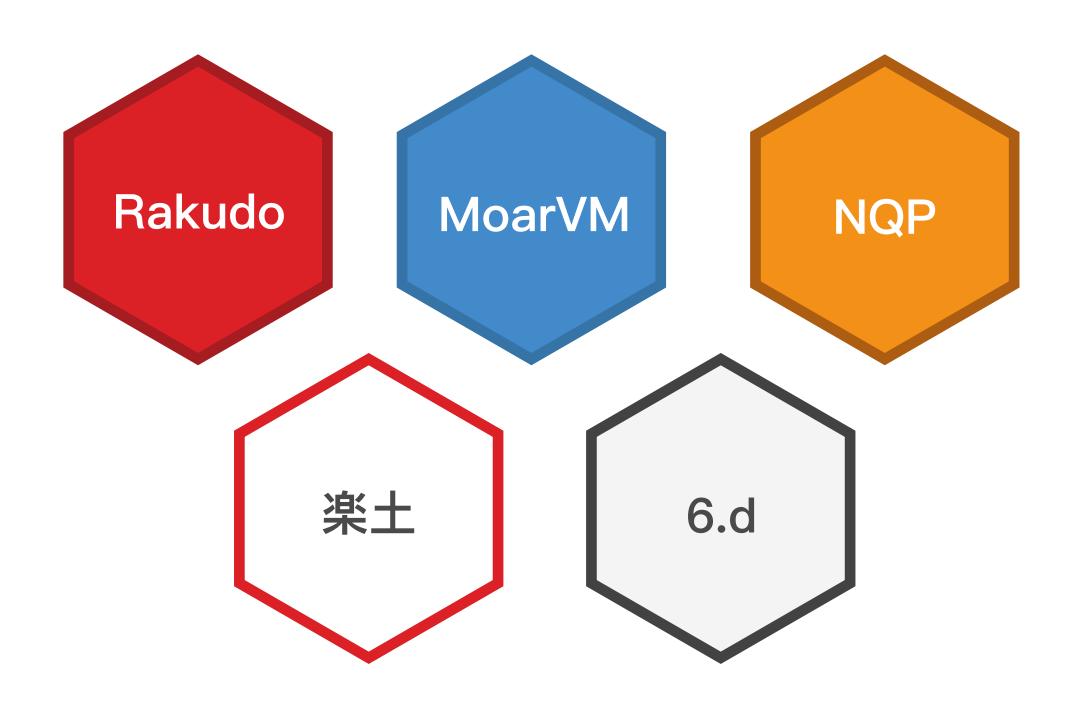
# Peri 6 ESSENTIALS CHEET SHEET



#### INSTALL A MODULE

#### Using Zef package tool:



## **Hyper Operator**

```
my @prefixes = 'A'..'E';
my @roots = 1, 2;
my @postfixes = 'a'..'e';

say @roots.map: I(@prefixes »~» * «~« @postfixes);

# Output: (A1a B1b C1c D1d E1e A2a B2b C2c D2d E2e)
```

## Subset

```
subset Length8 of Str where *.chars < 8; subset UpCase of Str where none('A'..'Z') ∈ *.comb.Set; subset LowerCase of Str where none('a'..'z') ∈ *.comb.Set; subset IntNumber of Str where none('0'..'9') ∈ *.comb.Set; my $guess = prompt('Enter your password:'); given $guess {
when Length8 { say '密码长度必须为 8 位 以上'; proceed } when UpCase { say '密码必须包括大写字母'; proceed } when LowerCase { say '密码必须包含小写字母'; proceed } when IntNumber { say '密码必须包含数字'; } }
```

## Feed

```
# Feed (left-to-right) with parentheses, read top-to-bottom
my @result = (
  <people of earth> # (1) Start with the input
  ==> map({ .tc })
                    # (2) Capitalize the words
  ==> grep /<[PE]>/ # (3) Look for P or E
                     # (4) Sort, result is <Earth People>
  ==> sort
say @result;
# To assign without parentheses, use another feed operator
my @result
                   # (4) Sort, result is <Earth People>
  <== sort()
  <== grep({ /<[PE]>/ }) # (3) Look for P or E
  <== map({ .tc }) # (2) Capitalize the words
  <== <people of earth>; # (1) Start with the input
```

#### Grammars

```
grammar Parser {
    rule TOP { I < love> < lang> }
    token love { '♥' | love }
    token lang { < Perl Rust Go Python Ruby > }
}
say Parser.parse: 'I ♥ Perl';
# OUTPUT: [I ♥ Perl」 love => 「♥」 lang => 「Perl」
say Parser.parse: 'I love Rust';
# OUTPUT: [I love Rust] love => [love] lang => [Rust]
```

### Junctions

```
my @valid = <foo bar baz>;
my $what = 'ber';
say "$what is not valid" if $what eq none @valid;
say "A ber or a bar" if $what eq 'ber' I 'bar';
```

## Pattern Matching

## **Chained Operators**

```
for (-25..25) X (-25..25) -> ($y, $x) {
    print (16^2 < $x^2 + $y^2 < 20^2) ?? 'o' !! '.';
    $x==25 \&\& say ";
}
```

# Muti Dispatch

```
multi sub greet($name) {
    say "Ahoj, $name!";
}
multi sub greet($name, $greeting) {
    say "$greeting, $name!";
}
greet('Anna'); # Ahoj Anna
greet('Лена', 'Привет '); # Привет, Лена"
```