Learning Perl

Exercises 5

https://github.com/onevcat/LearningPerl

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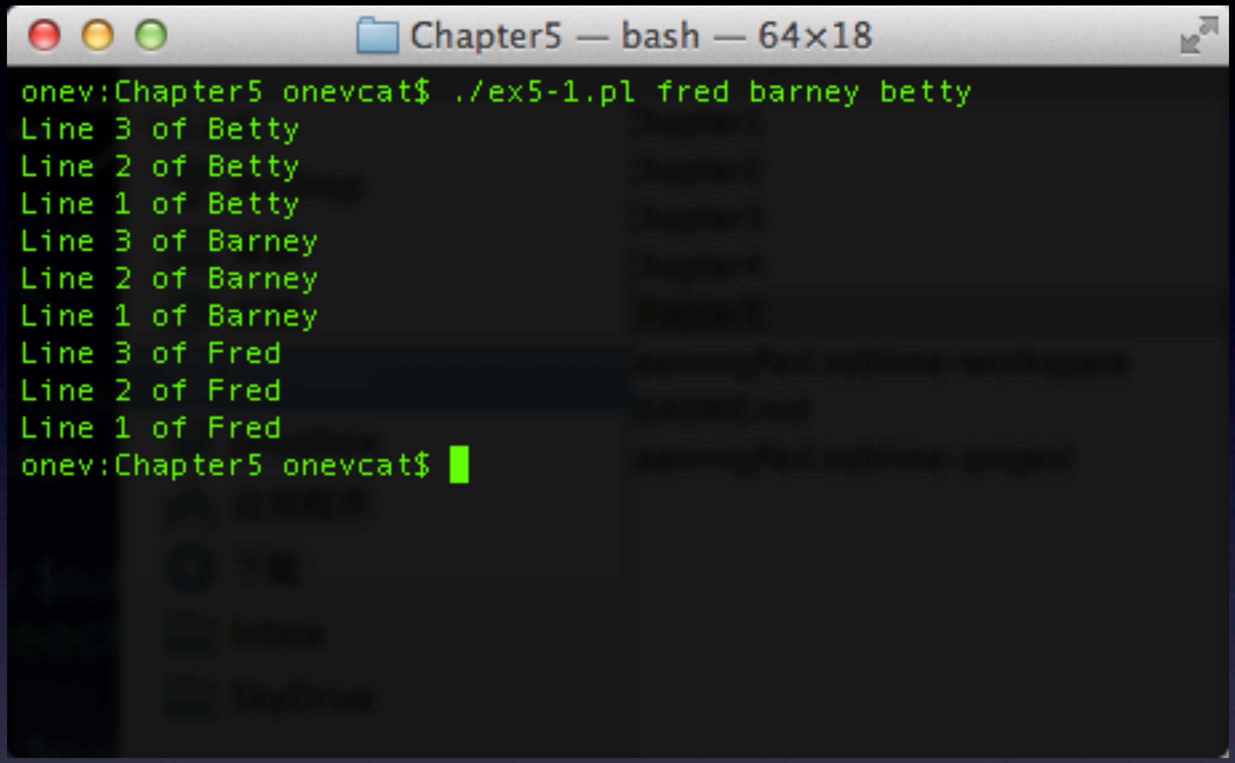
https://github.com/onevcat/LearningPerl/blob/master/Chapter5/ex5-1.pl

問題 1

ソースコード：

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

print reverse <>;
```



```
onev:Chapter5 onevcat$ ./ex5-1.pl fred barney betty
Line 3 of Betty
Line 2 of Betty
Line 1 of Betty
Line 3 of Barney
Line 2 of Barney
Line 1 of Barney
Line 3 of Fred
Line 2 of Fred
Line 1 of Fred
onev:Chapter5 onevcat$
```

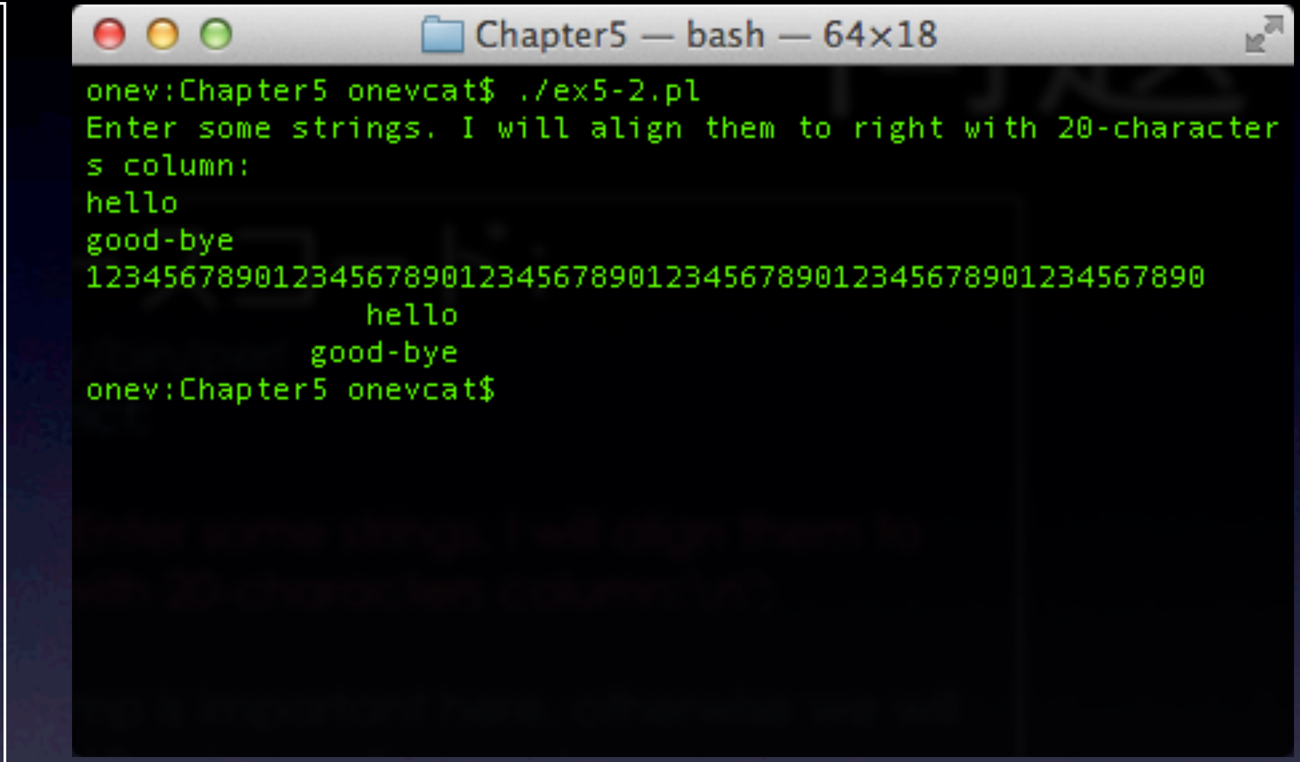
ソースコードはとても簡単だ，
しかしPerlの精髄がある。

https://github.com/onevcat/LearningPerl/blob/master/Chapter5/ex5-2.pl

問題 2

ソースコード:

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

print "Enter some strings. I will align them to right with 20-characters column:\n";

#chomp is important here, otherwise we will get a 19-column alignment.
chomp (my @list = <STDIN>);
print "1234567890123456789012345678901234567890123456789012345678901234567890\n";

#Here is no count checking. The count of string's characters may be overflow.
#Quite dangerous.
foreach (@list) {
	printf "%20s\n",$_;
}
```



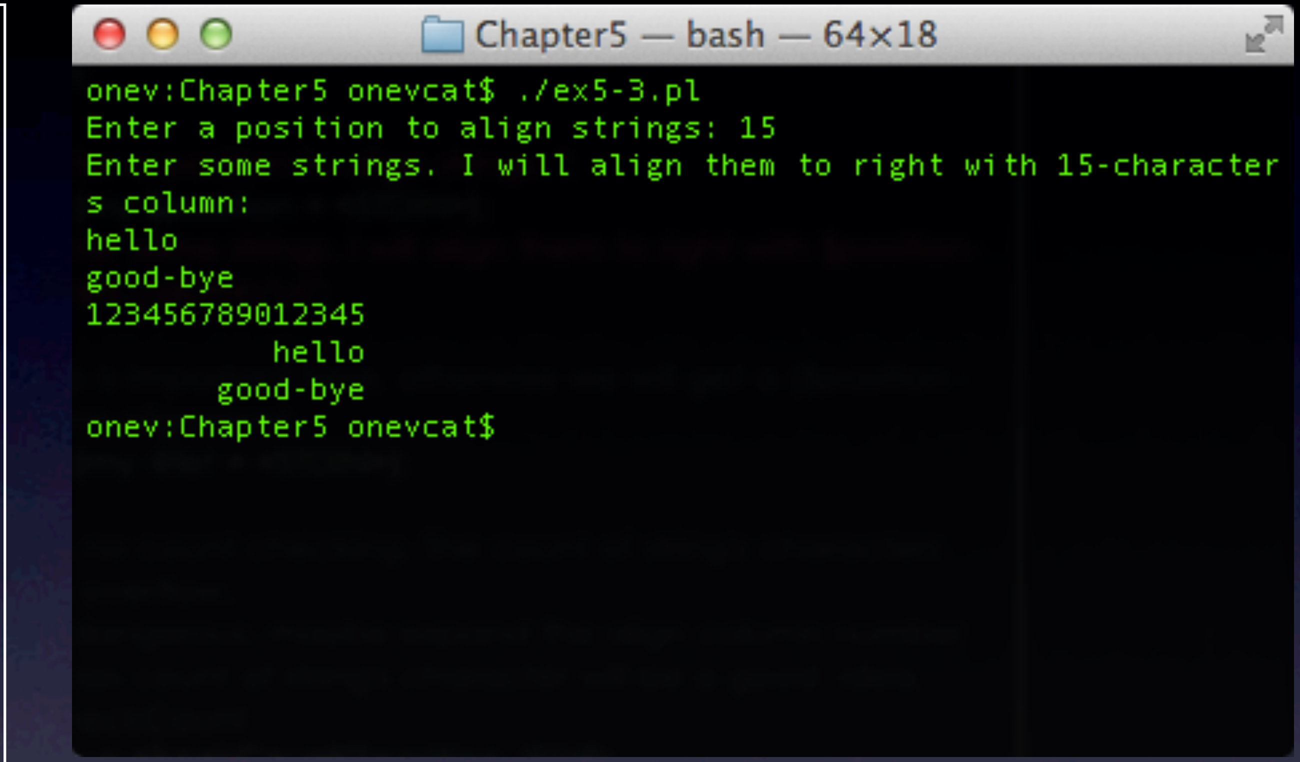
```
onev:Chapter5 onevcat$ ./ex5-2.pl
Enter some strings. I will align them to right with 20-character
s column:
hello
good-bye
123456789012345678901234567890123456789012345678901234567890
               hello
            good-bye
onev:Chapter5 onevcat$
```

https://github.com/onevcat/LearningPerl/blob/master/Chapter5/ex5-3.pl

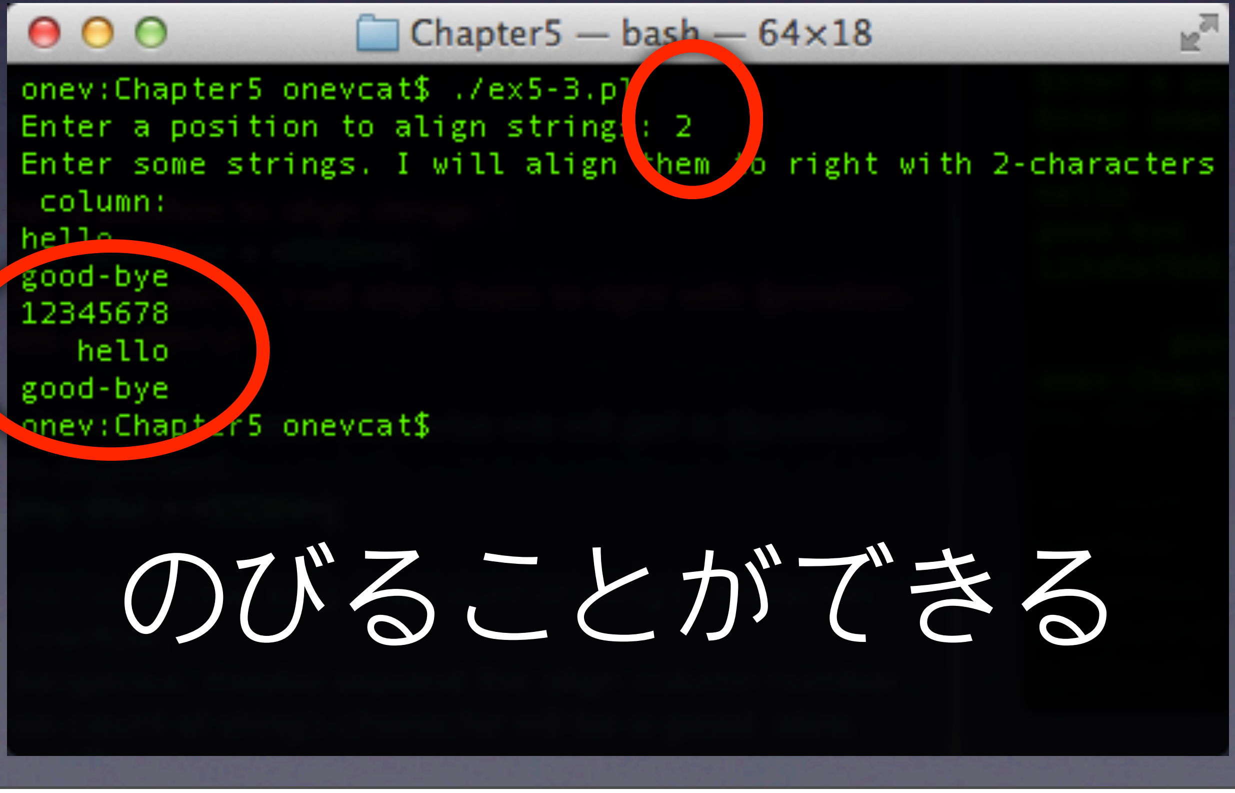
問題 3

ソースコード：

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

print "Enter a position to align strings: ";
chomp (my $position = <STDIN>);
print "Enter some strings. I will align them to right with $position-characters column:\n";

#chomp is important here, otherwise we will get a ($position - 1)-column alignment.
chomp (my @list = <STDIN>);

#Here is no count checking. The count of string's characters may be overflow.
#Quite dangerous, maybe expand the align column number to the max count of string's character will be a good  idea.
#See checkCount
$position = checkCount($position, @list);

print "1234567890" x ($position / 10), (1 .. $position % 10), "\n";

foreach (@list) {
	printf "%${position}s\n", $_;
}

sub checkCount
{
	my $maxLength = shift @_;
	foreach (@_) {
		length > $maxLength ? $maxLength = length : 0;
	}
	$maxLength;
}
```



```
onev:Chapter5 onevcat$ ./ex5-3.pl
Enter a position to align strings: 15
Enter some strings. I will align them to right with 15-character
s column:
hello
good-bye
123456789012345
          hello
       good-bye
onev:Chapter5 onevcat$
```



```
onev:Chapter5 onevcat$ ./ex5-3.pl
Enter a position to align strings: 2
Enter some strings. I will align them to right with 2-characters
 column:
hello
good-bye
12345678
   hello
good-bye
onev:Chapter5 onevcat$
```

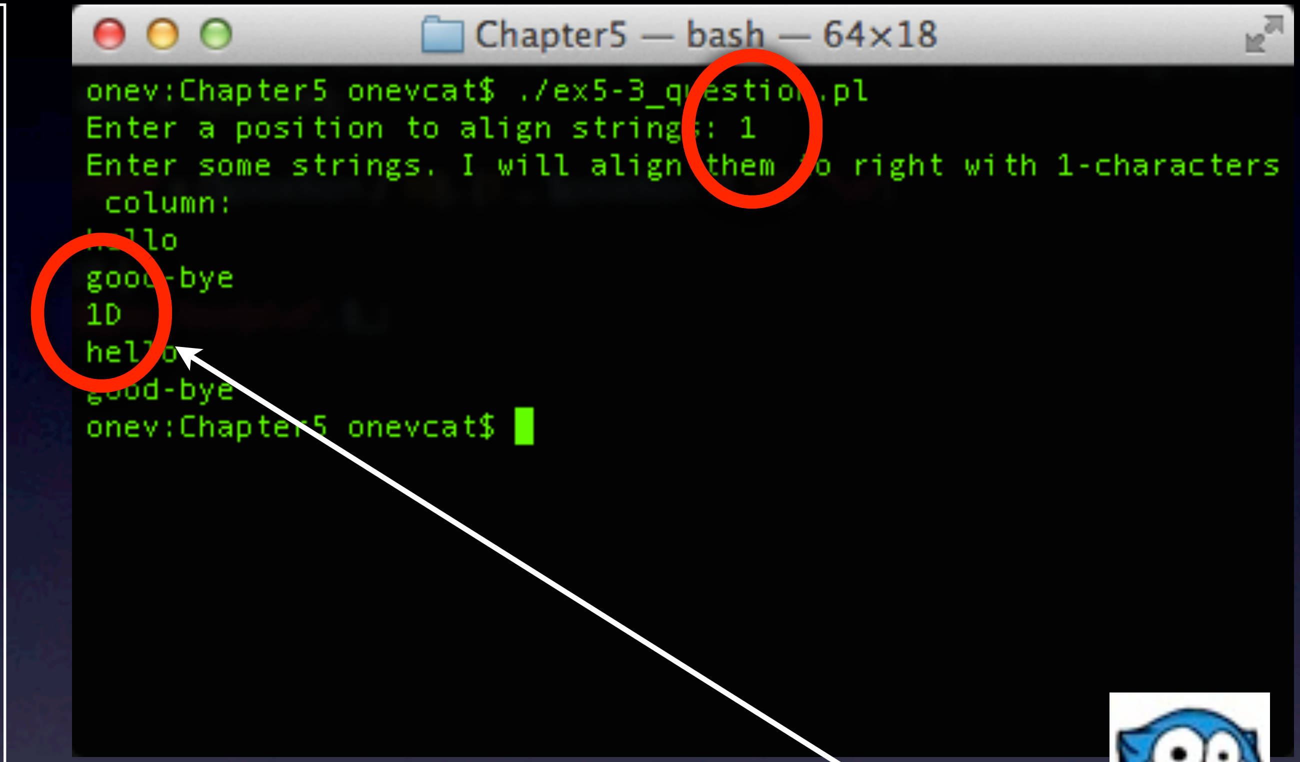
のびることができる

https://github.com/onevcat/LearningPerl/blob/master/Chapter5/ex5-3_question.pl

問題 3 の疑問

このソースコードを考える:

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

print "Enter a position to align strings: ";
chomp (my $position = <STDIN>);
print "Enter some strings. I will align them to right with $position-characters column:\n";

#chomp is important here, otherwise we will get a ($position - 1)-column alignment.
chomp (my @list = <STDIN>);

print "1234567890" x ($position / 10), (1 .. $position % 10), "\n";

foreach (@list) {
    printf "%${position}s\n", $_;
}
```



```
onev:Chapter5 onevcat$ ./ex5-3_question.pl
Enter a position to align strings: 1
Enter some strings. I will align them to right with 1-characters
 column:
hello
good-bye
1D
hello
good-bye
onev:Chapter5 onevcat$ 
```

Ctrl+dの後で，ここは‘D’がある，どうして?全然分からない。