

Learning Perl

Exercises 14

<https://github.com/onevc/LearningPerl>

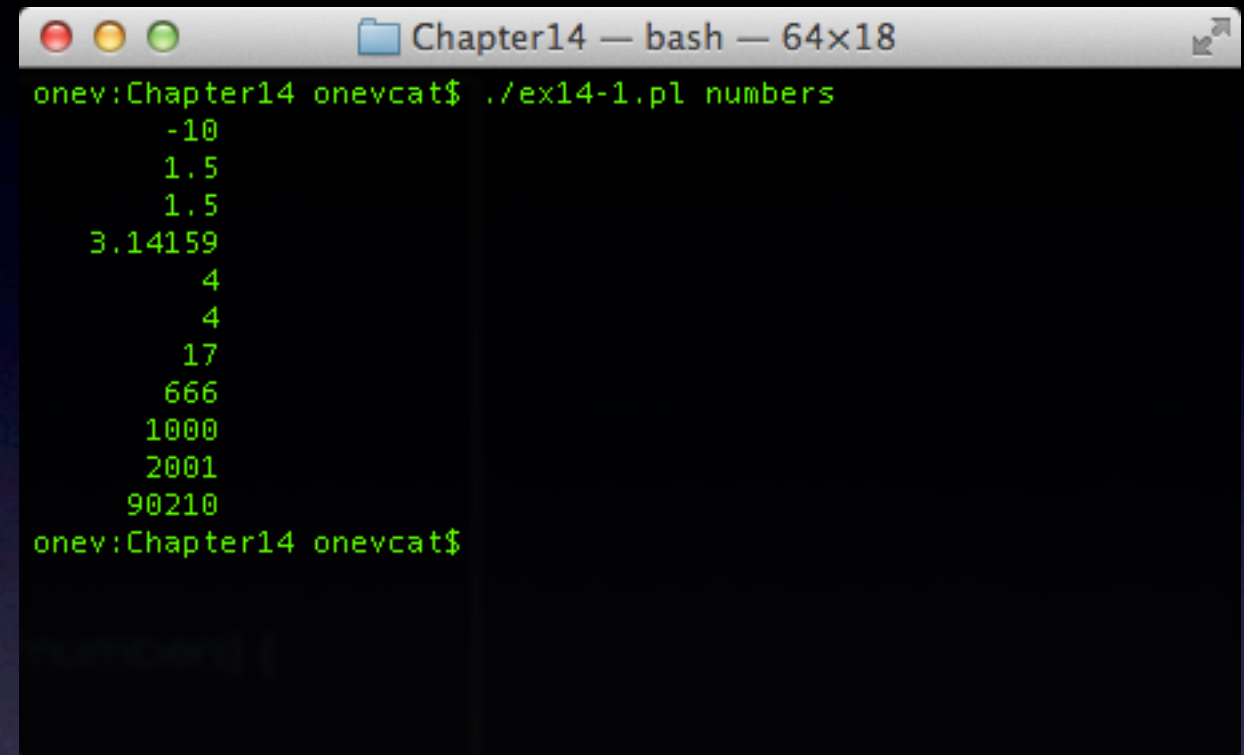
王巍

問題 1

ソースコード:

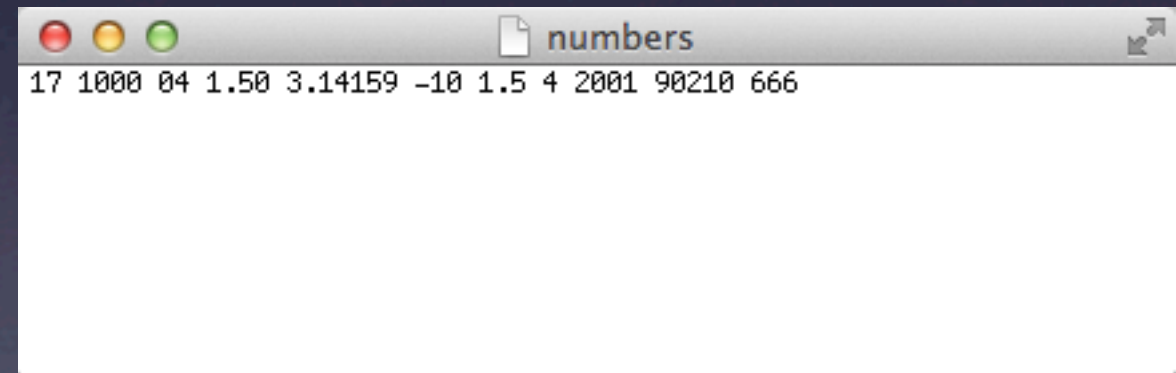
```
#!/usr/bin/perl
use strict;

my @numbers;
while ( <> ) {
    push @numbers, split;
}
foreach (sort {$a <=> $b} @numbers) {
    printf "%10g\n",$_;
}
```



A terminal window titled "Chapter14 — bash — 64x18" showing the execution of the Perl script. The prompt is "onev:Chapter14 onevc\$". The command entered is "./ex14-1.pl numbers". The output is a list of numbers, each formatted to 10 columns: -10, 1.5, 1.5, 3.14159, 4, 4, 17, 666, 1000, 2001, 90210. The prompt then changes to "onev:Chapter14 onevc\$".

```
onev:Chapter14 onevc$ ./ex14-1.pl numbers
-10
 1.5
 1.5
3.14159
   4
   4
  17
 666
1000
2001
90210
onev:Chapter14 onevc$
```



A file window titled "numbers" showing the contents of the file. The text is: "17 1000 04 1.50 3.14159 -10 1.5 4 2001 90210 666".

```
17 1000 04 1.50 3.14159 -10 1.5 4 2001 90210 666
```

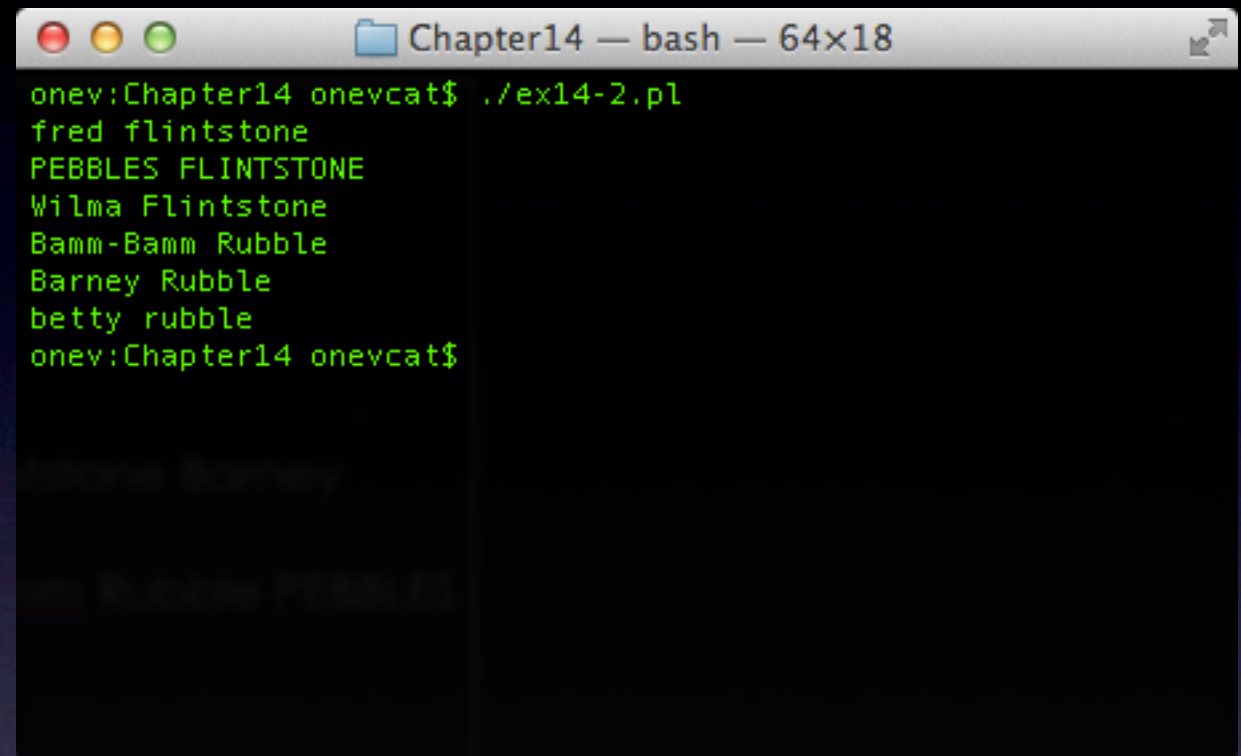
問題 2

ソースコード:

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

my %last_name = qw{
    fred flintstone Wilma Flintstone Barney
    Rubble
    betty rubble Bamm-Bamm Rubble PEBBLES
    FLINTSTONE
};
### %last_name
my @sortedKeys = sort {"\L$last_name{$a}"
    cmp "\L$last_name{$b}" or "\L$a" cmp "\L
    $b"} keys %last_name;    比較する前に,
### @sortedKeys             小文字にします

foreach (@sortedKeys) {
    print "$_ $last_name{$_}\n";
}
```



```
Chapter14 — bash — 64x18
onev:Chapter14 onevc$ ./ex14-2.pl
fred flintstone
PEBBLES FLINTSTONE
Wilma Flintstone
Bamm-Bamm Rubble
Barney Rubble
betty rubble
onev:Chapter14 onevc$
```

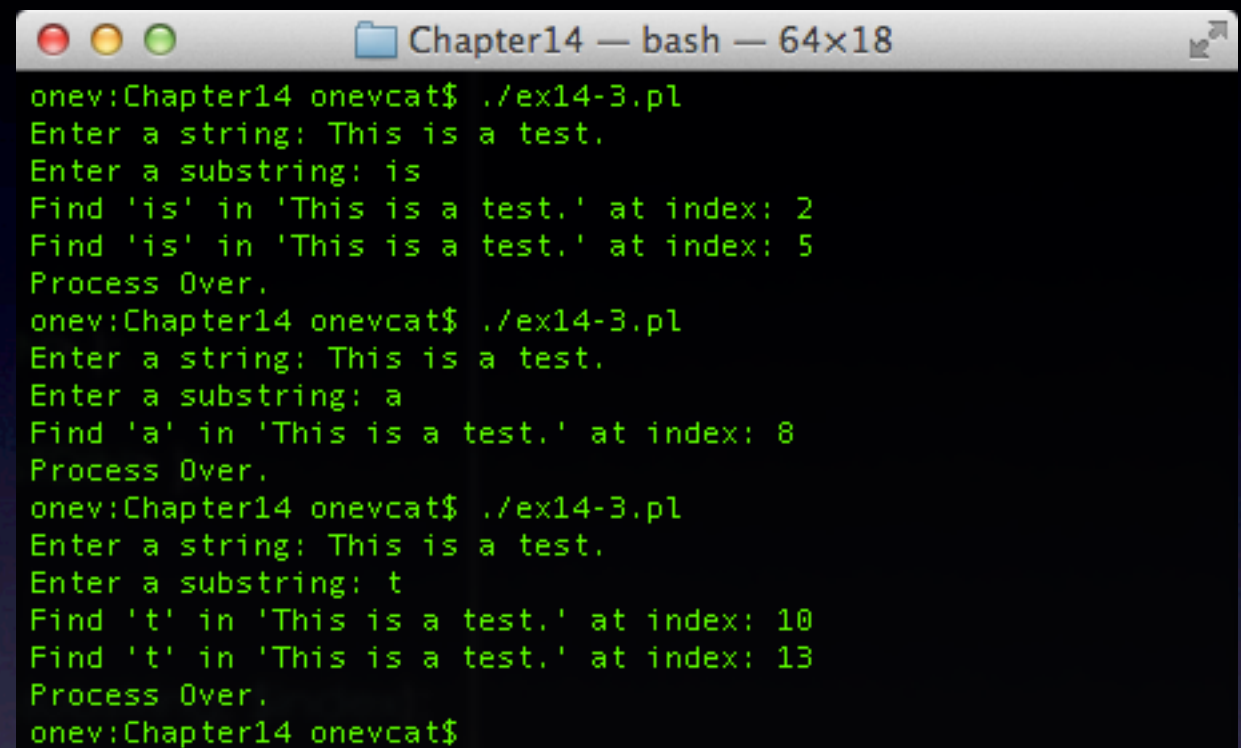

問題 3

ソースコード:

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

print "Enter a string: ";
chomp ( my $string = <STDIN> );
print "Enter a substring: ";
chomp ( my $substring = <STDIN> );

my $index = 0;
while ($index != -1) {
    $index = index($string, $substring, $index);
    if ($index == -1) {
        print "Process Over.\n"
    }
    else {
        print "Find \'$substring\' in \'$string\' at
index: $index\n";
        #Go on, try to find substring from
character in next loop
        $index++;
    }
}
```



```
onev:Chapter14 onevc$ ./ex14-3.pl
Enter a string: This is a test.
Enter a substring: is
Find 'is' in 'This is a test.' at index: 2
Find 'is' in 'This is a test.' at index: 5
Process Over.
onev:Chapter14 onevc$ ./ex14-3.pl
Enter a string: This is a test.
Enter a substring: a
Find 'a' in 'This is a test.' at index: 8
Process Over.
onev:Chapter14 onevc$ ./ex14-3.pl
Enter a string: This is a test.
Enter a substring: t
Find 't' in 'This is a test.' at index: 10
Find 't' in 'This is a test.' at index: 13
Process Over.
onev:Chapter14 onevc$
```

‘t’の結果は 1 0 と 1 3。第一の‘T’は大文字
ですから、マツチすることができません。