

# Learning Perl

## Exercises 3

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

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# 問題 1

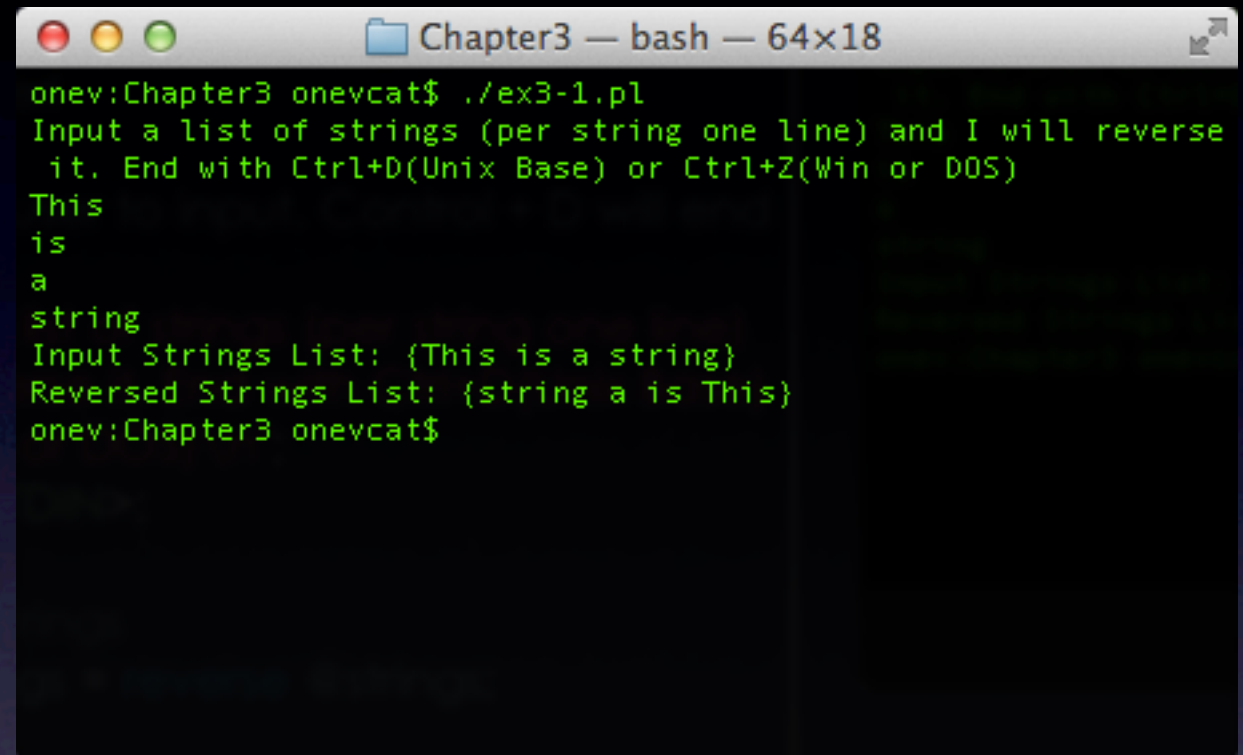
## ソースコード:

```
#!/usr/bin/perl

#Waiting for user to input. Control + D will end
the input
print "Input a list of strings (per string one line)
and I will reverse it. End with Ctrl+D(Unix Base)
or Ctrl+Z(Win or DOS)\n";
@strings = <STDIN>;

#Reverse @strings
@reverseStrings = reverse @strings;

### Print: @reverseStrings
print "Input Strings List: {@strings}\nReversed
Strings List: {@reverseStrings}\n";
```



The screenshot shows a terminal window titled "Chapter3 — bash — 64x18". The prompt is "onev:Chapter3 onevc\$". The user has run the command "./ex3-1.pl". The script prompts for input: "Input a list of strings (per string one line) and I will reverse it. End with Ctrl+D(Unix Base) or Ctrl+Z(Win or DOS)". The user has entered three lines of input: "This", "is", and "a". The script then outputs: "Input Strings List: {This is a string}" and "Reversed Strings List: {string a is This}". The prompt returns to "onev:Chapter3 onevc\$".

```
Chapter3 — bash — 64x18
onev:Chapter3 onevc$ ./ex3-1.pl
Input a list of strings (per string one line) and I will reverse
it. End with Ctrl+D(Unix Base) or Ctrl+Z(Win or DOS)
This
is
a
string
Input Strings List: {This is a string}
Reversed Strings List: {string a is This}
onev:Chapter3 onevc$
```

# 問題 2

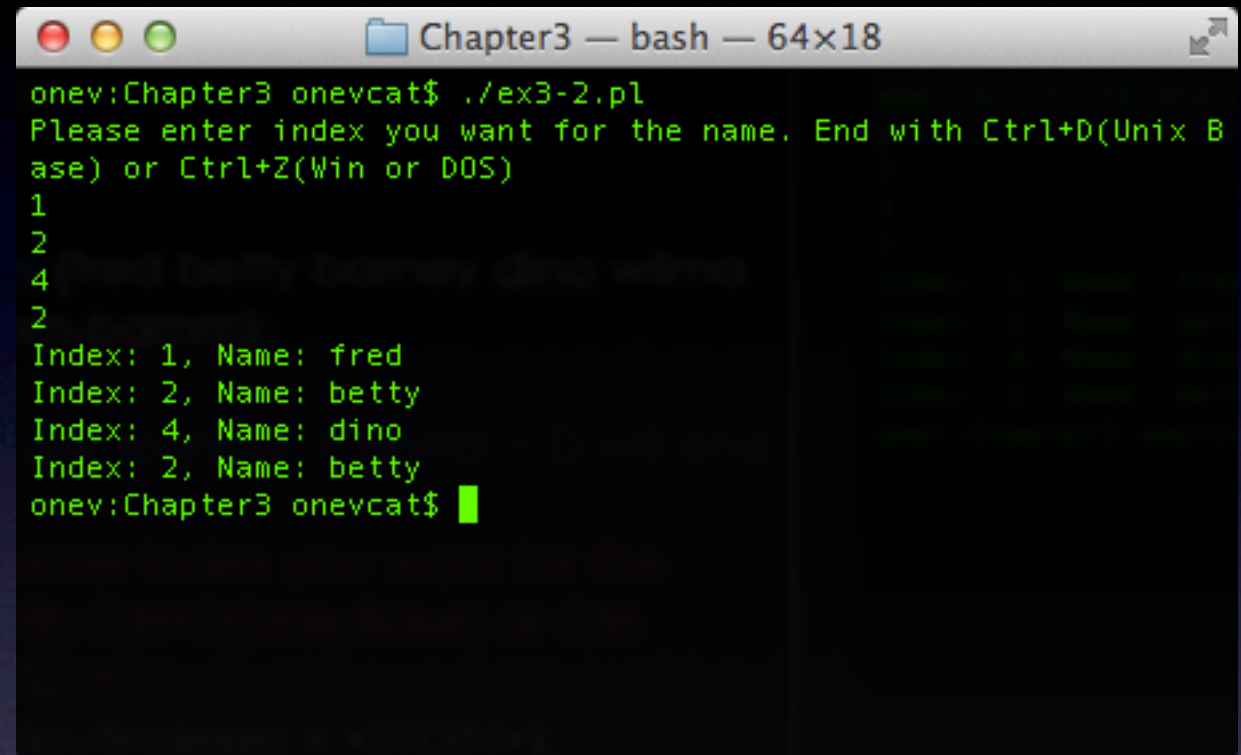
## ソースコード:

```
#!/usr/bin/perl

#Names
@names = qw {fred betty barney dino wilma
pebbles bamm-bamm};

#Waiting for user to input. Control + D will end
the input
print "Please enter index you want for the
name. End with Ctrl+D(Unix Base) or Ctrl
+Z(Win or DOS)\n";
chomp (@outputIndexes = <STDIN>);

#Here is no array bounds checking. Thanks to
Perl, it will just be a (W uninitialized) rather
than crash, which is pretty cool!
foreach (@outputIndexes) {
    print "Index: $_, Name: $names[$_]\n";
}
```



```
Chapter3 — bash — 64x18
onev:Chapter3 onevc$ ./ex3-2.pl
Please enter index you want for the name. End with Ctrl+D(Unix B
ase) or Ctrl+Z(Win or DOS)
1
2
4
2
Index: 1, Name: fred
Index: 2, Name: betty
Index: 4, Name: dino
Index: 2, Name: betty
onev:Chapter3 onevc$
```

1	fred
2	betty
3	barney
4	dino
5	wilma
6	pebbles
7	bamm-bamm



# 問題 3

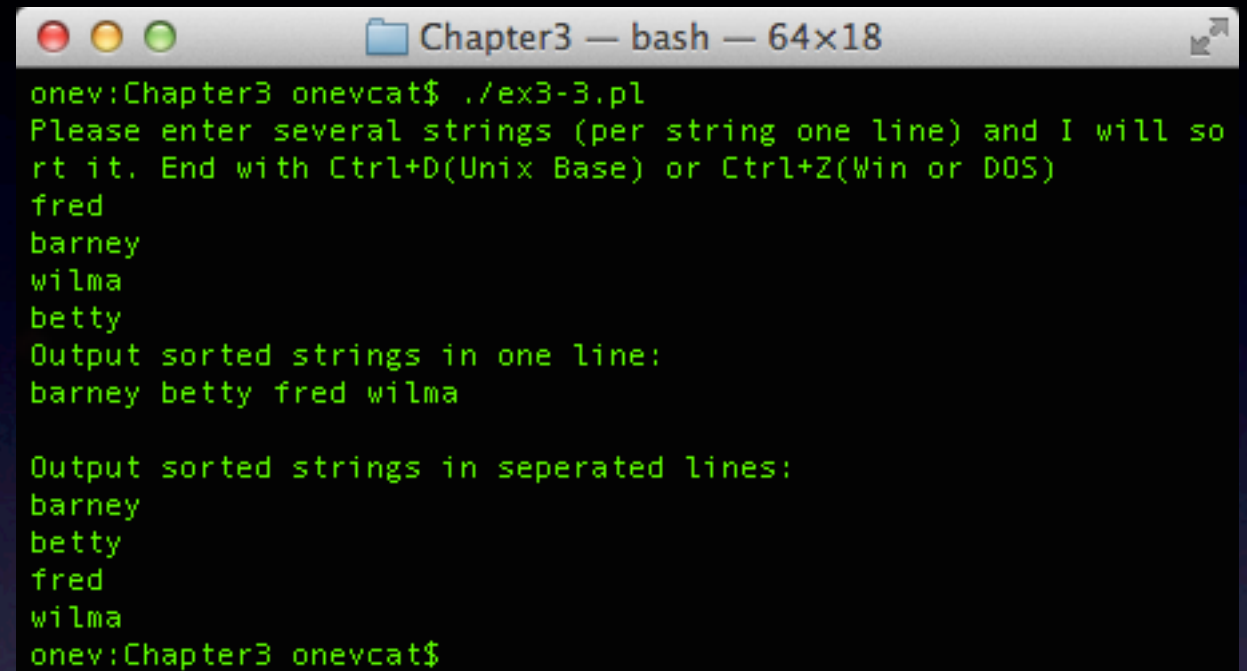
## ソースコード:

```
#!/usr/bin/perl

#Waiting for user to input. Control + D will end
the input
print "Please enter several strings (per string
one line) and I will sort it. End with Ctrl+D(Unix
Base) or Ctrl+Z(Win or DOS)\n";
chomp (@strings = <STDIN>);

#sort the input strings
@sortedStrings = sort @strings;

#Formatted output
print "Output sorted strings in one line:\n";
print "@sortedStrings\n\n";
print "Output sorted strings in seperated lines:
\n";
foreach (@sortedStrings) {
    print "$_\n";
}
```



```
Chapter3 — bash — 64x18
onev:Chapter3 onevcat$ ./ex3-3.pl
Please enter several strings (per string one line) and I will so
rt it. End with Ctrl+D(Unix Base) or Ctrl+Z(Win or DOS)
fred
barney
wilma
Output sorted strings in one line:
barney betty fred wilma

Output sorted strings in seperated lines:
barney
betty
fred
wilma
onev:Chapter3 onevcat$
```