

Learning Perl

Exercises 9

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

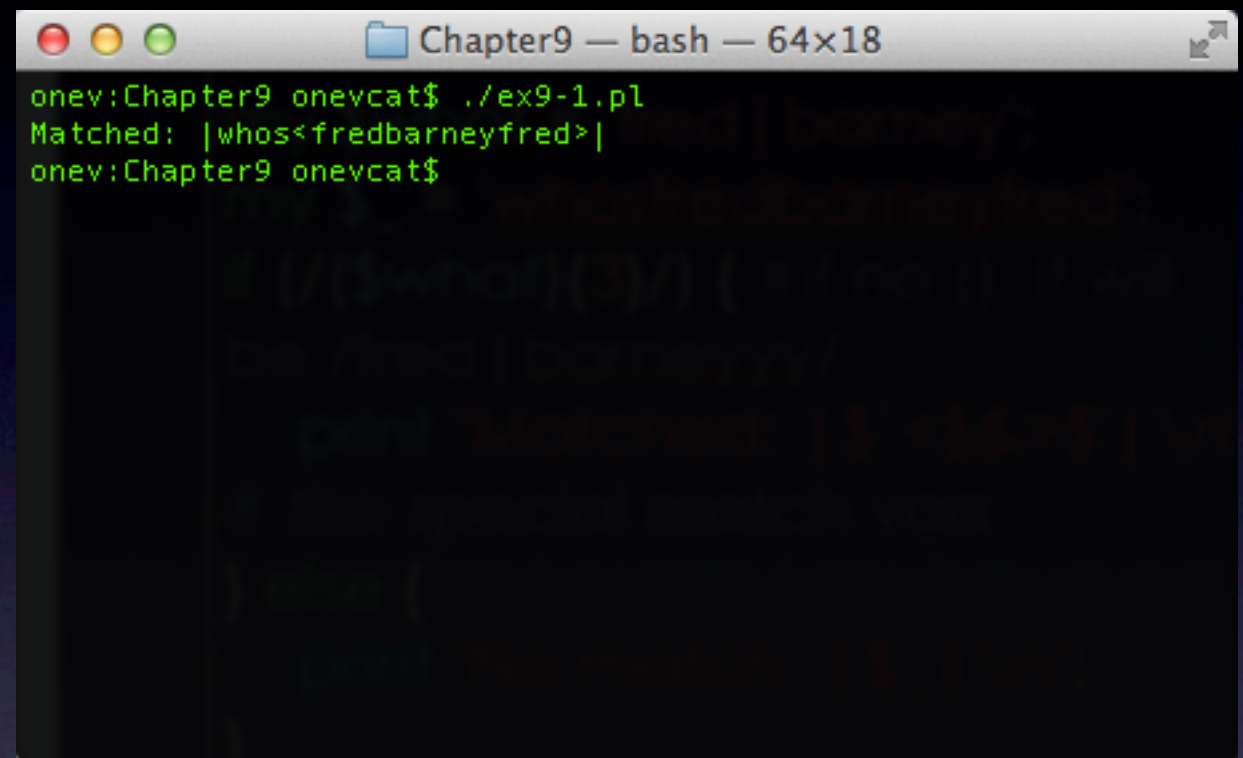
王巍

問題 1

ソースコード:

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

my $what = 'fred | barney';
my $_ = 'whosfredbarneyfred';
if (/($what){3}/) { #if no (), it will
    be /fred | barneyyy/.
    print "Matched: |$`<$&>$' | \n";
# the special match vars
} else {
    print "No match: |$_ | \n";
}
```



```
Chapter9 — bash — 64x18
onev:Chapter9 onevc$ ./ex9-1.pl
Matched: |whos<fredbarneyfred>|
onev:Chapter9 onevc$
```

問題 2

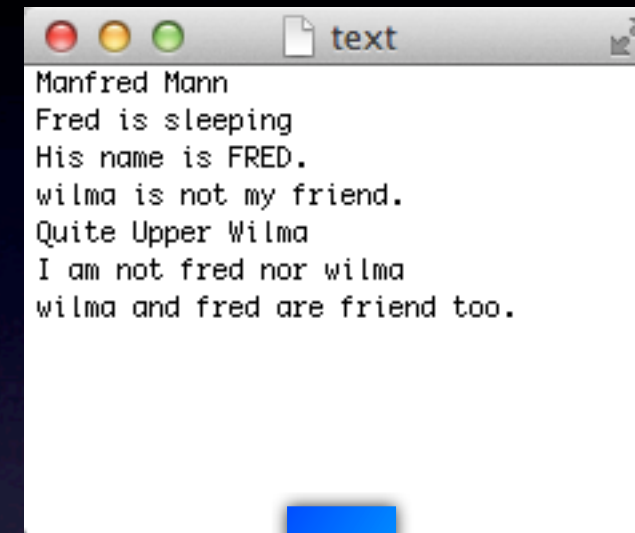
ソースコード:

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

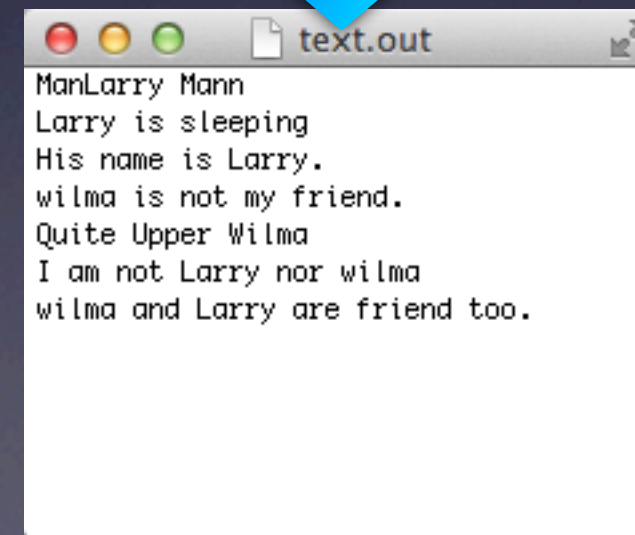
my $input = $ARGV[0];
if (!$input) {
    die "Please input a file name";
}
my $output = $input.".out";

my $inputFile;
if (! open $inputFile, '<', $input) {
    die "Open file $input failed: $!";
}
my $outputFile;
if (! open $outputFile, '>', $output) {
    die "Open file $output failed: $!";
}

while (<$inputFile>) {
    s/fred/Larry/gi;
    print $outputFile $_;
}
```



Manfred Mann
Fred is sleeping
His name is FRED.
wilma is not my friend.
Quite Upper Wilma
I am not fred nor wilma
wilma and fred are friend too.



ManLarry Mann
Larry is sleeping
His name is Larry.
wilma is not my friend.
Quite Upper Wilma
I am not Larry nor wilma
wilma and Larry are friend too.

問題 3

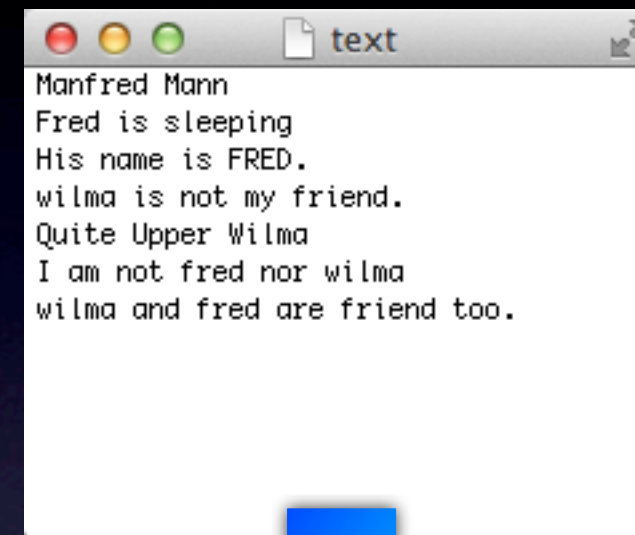
ソースコード:

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

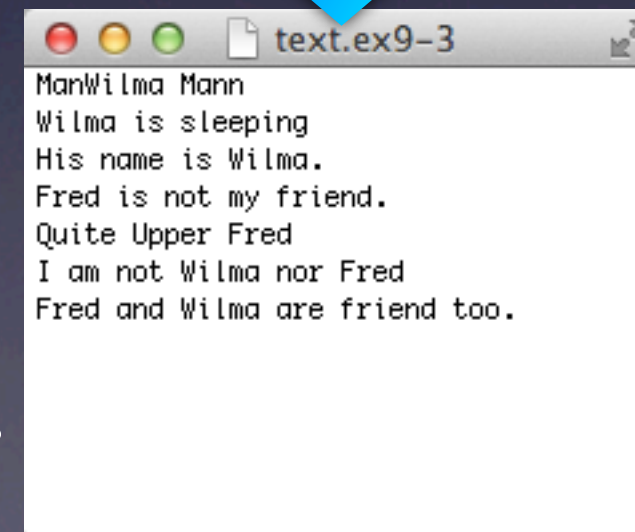
my $input = $ARGV[0];
if (!$input) {
    die "Please input a file name";
}
my $output = $input.".ex9-3.out";

my $inputFile;
if (!open $inputFile, '<', $input) {
    die "Open file $input failed: $!";
}
my $outputFile;
if (!open $outputFile, '>', $output) {
    die "Open file $output failed: $!";
}
while (<$inputFile) {
    chomp;
    s/fred/\n/ig;
    s/wilma/Fred/ig;
    s/\n/Wilma/g;
    print $outputFile "$_\n";
}
```

chompがあるから、
'\n'はユニークのキャラクター。
'\n'でマークすることができる



Manfred Mann
Fred is sleeping
His name is FRED.
wilma is not my friend.
Quite Upper Wilma
I am not fred nor wilma
wilma and fred are friend too.



ManWilma Mann
Wilma is sleeping
His name is Wilma.
Fred is not my friend.
Quite Upper Fred
I am not Wilma nor Fred
Fred and Wilma are friend too.

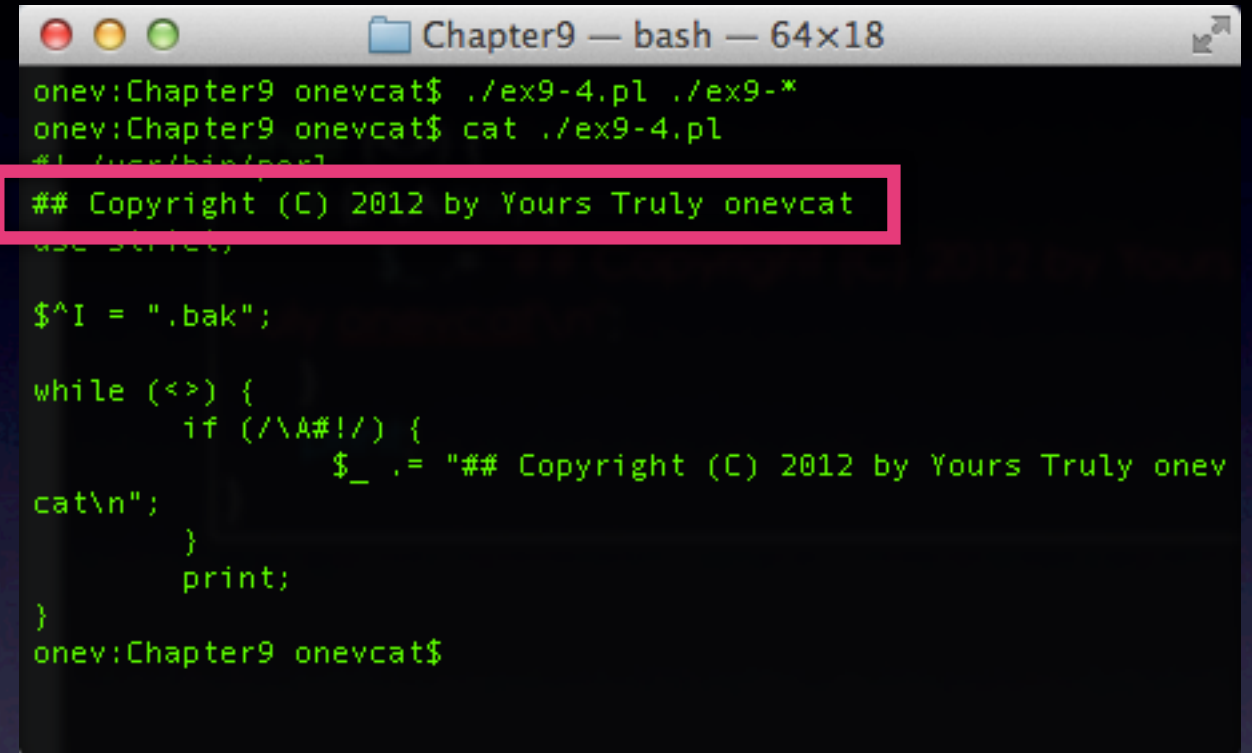
問題 4

ソースコード:

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

$^I = ".bak";

while (<>) {
    if (/^A#!/) {
        $_ .= "## Copyright (C) 2012 by Yours Truly onevcat\n";
    }
    print;
}
```



```
Chapter9 — bash — 64x18
onev:Chapter9 onevcat$ ./ex9-4.pl ./ex9-*
onev:Chapter9 onevcat$ cat ./ex9-4.pl
#!/usr/bin/perl
## Copyright (C) 2012 by Yours Truly onevcat
use strict;

$^I = ".bak";

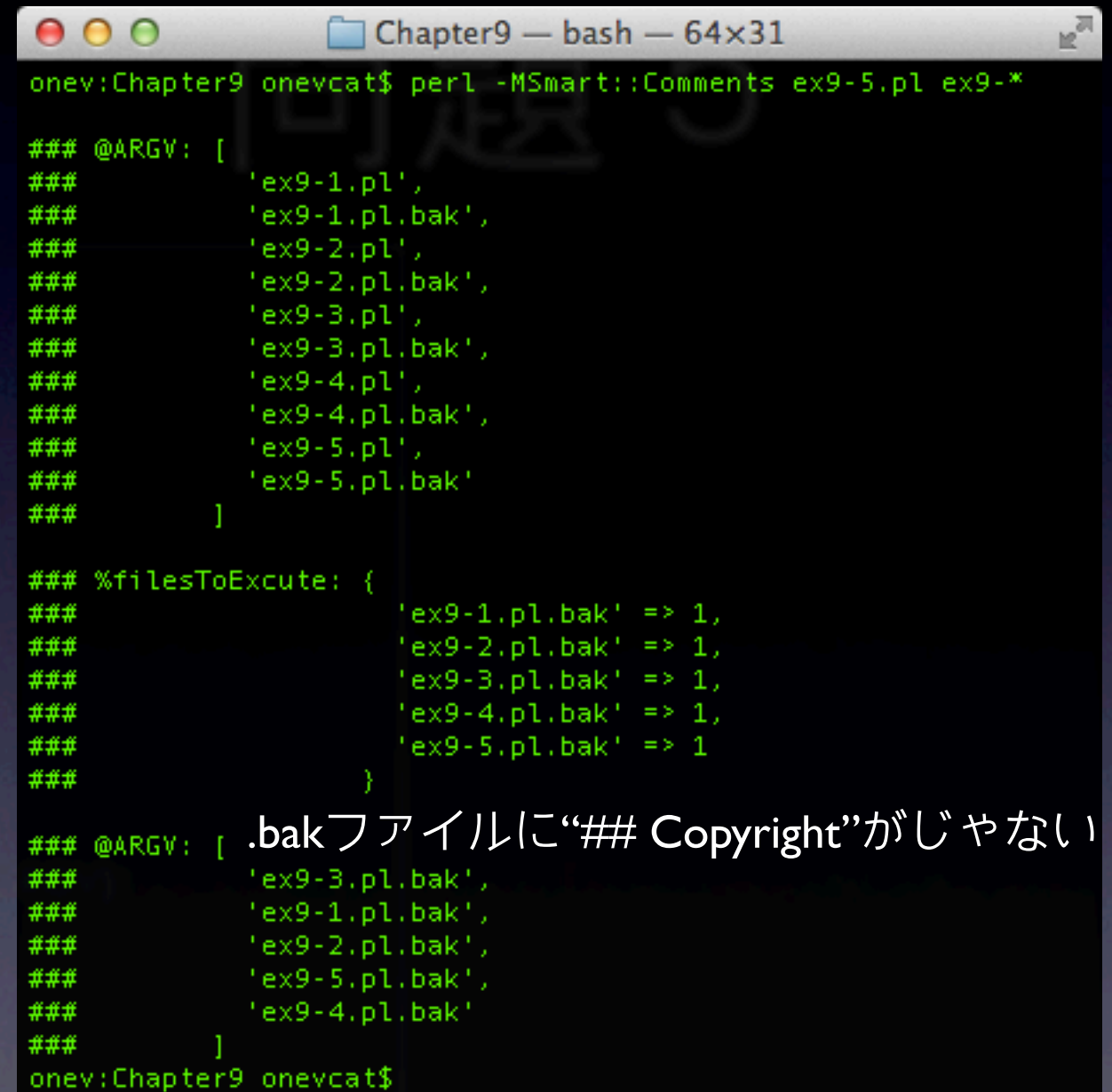
while (<>) {
    if (/^A#!/) {
        $_ .= "## Copyright (C) 2012 by Yours Truly onev
cat\n";
    }
    print;
}
onev:Chapter9 onevcat$
```

問題 5

ソースコード:

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

### @ARGV
my %filesToExcute;
foreach (@ARGV) {
    $filesToExcute{$_} = 1;
}
### %filesToExcute
while (<>) {
    if (/^A## Copyright/) {
        delete $filesToExcute{$ARGV};
    }
}
### %filesToExcute
@ARGV = keys %filesToExcute;
### @ARGV
$^I = ".bak";
while (<>) {
    if (/^A#!/) {
        $_ .= "## Copyright (C) 2012 by Yours Truly
onevcat\n";
    }
    print;
}
```



```
Chapter9 — bash — 64x31
onev:Chapter9 onevcat$ perl -MSmart::Comments ex9-5.pl ex9-*

### @ARGV: [
###     'ex9-1.pl',
###     'ex9-1.pl.bak',
###     'ex9-2.pl',
###     'ex9-2.pl.bak',
###     'ex9-3.pl',
###     'ex9-3.pl.bak',
###     'ex9-4.pl',
###     'ex9-4.pl.bak',
###     'ex9-5.pl',
###     'ex9-5.pl.bak'
### ]

### %filesToExcute: {
###     'ex9-1.pl.bak' => 1,
###     'ex9-2.pl.bak' => 1,
###     'ex9-3.pl.bak' => 1,
###     'ex9-4.pl.bak' => 1,
###     'ex9-5.pl.bak' => 1
### }

### @ARGV: [
###     'ex9-3.pl.bak',
###     'ex9-1.pl.bak',
###     'ex9-2.pl.bak',
###     'ex9-5.pl.bak',
###     'ex9-4.pl.bak'
### ]
onev:Chapter9 onevcat$
```

.bakファイルに“## Copyright”がじゃない