

Learning Perl

Exercises 17

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

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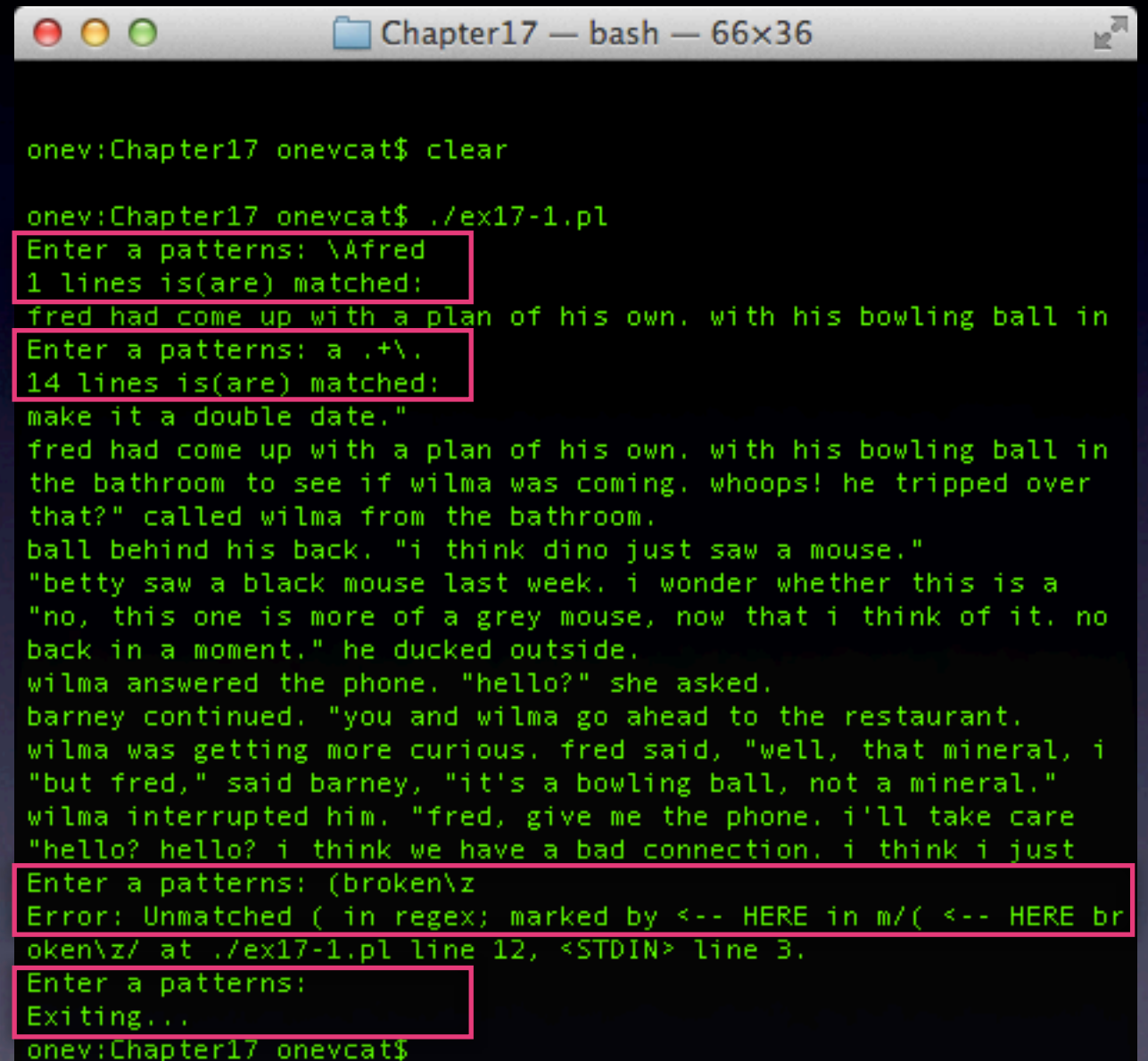
問題 1

ソースコード:

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

open FILE, '<', 'sample_text.txt' or die "Can not open
file. $!";
chomp ( my @lines = <FILE> );
### @lines;

while (1) {
    print "Enter a patterns: ";
    chomp (my $pattern = <STDIN>);
    last if $pattern =~ /\A\s*\z/; #Match the space
line
    my @matched = eval {grep {/$pattern/} @lines};
    if ($@) { #Pattern is invalid, match error.
        print "Error: $@";
    }
    else {
        my $matched = @matched;
        print "$matched lines is(are) matched:\n",map
{"$_\n"} @matched;
    }
}
print "Exiting...\n";
```



```
Chapter17 — bash — 66x36

onev:Chapter17 onevcat$ clear

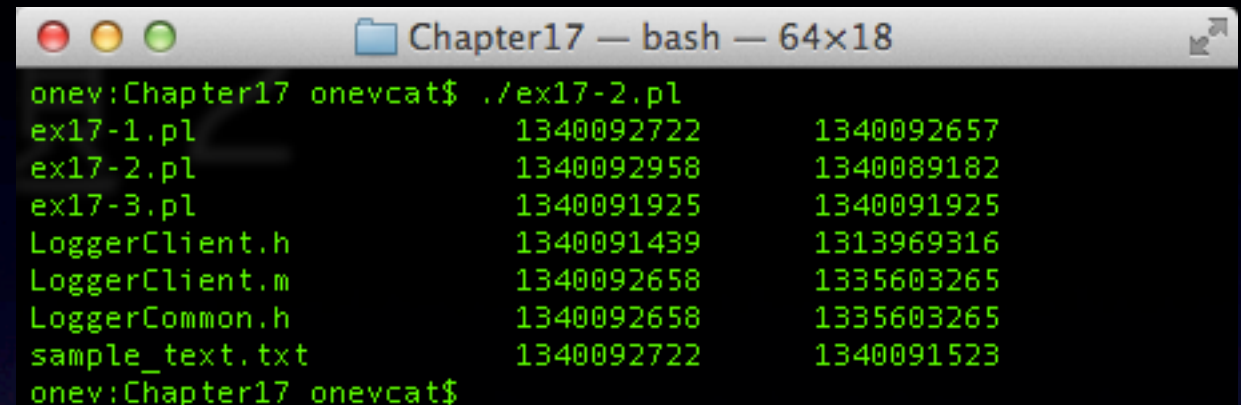
onev:Chapter17 onevcat$ ./ex17-1.pl
Enter a patterns: \Afred
1 lines is(are) matched:
fred had come up with a plan of his own. with his bowling ball in
Enter a patterns: a .+\.
14 lines is(are) matched:
make it a double date."
fred had come up with a plan of his own. with his bowling ball in
the bathroom to see if wilma was coming. whoops! he tripped over
that?" called wilma from the bathroom.
ball behind his back. "i think dino just saw a mouse."
"betty saw a black mouse last week. i wonder whether this is a
"no, this one is more of a grey mouse, now that i think of it. no
back in a moment." he ducked outside.
wilma answered the phone. "hello?" she asked.
barney continued. "you and wilma go ahead to the restaurant.
wilma was getting more curious. fred said, "well, that mineral, i
"but fred," said barney, "it's a bowling ball, not a mineral."
wilma interrupted him. "fred, give me the phone. i'll take care
"hello? hello? i think we have a bad connection. i think i just
Enter a patterns: (broken\z
Error: Unmatched ( in regex; marked by <-- HERE in m/( <-- HERE br
oken\z/ at ./ex17-1.pl line 12, <STDIN> line 3.
Enter a patterns:
Exiting...
onev:Chapter17 onevcat$
```

問題 2

ソースコード:

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

foreach (glob '*') {
    ### stat
    my( $atime, $mtime ) = (stat)[8,9];
    printf "%-20s %15d %15d\n", $_, $atime,
    $mtime;
}
```



```
onev:Chapter17 onevc$ ./ex17-2.pl
ex17-1.pl          1340092722      1340092657
ex17-2.pl          1340092958      1340089182
ex17-3.pl          1340091925      1340091925
LoggerClient.h     1340091439      1313969316
LoggerClient.m     1340092658      1335603265
LoggerCommon.h     1340092658      1335603265
sample_text.txt    1340092722      1340091523
onev:Chapter17 onevc$
```

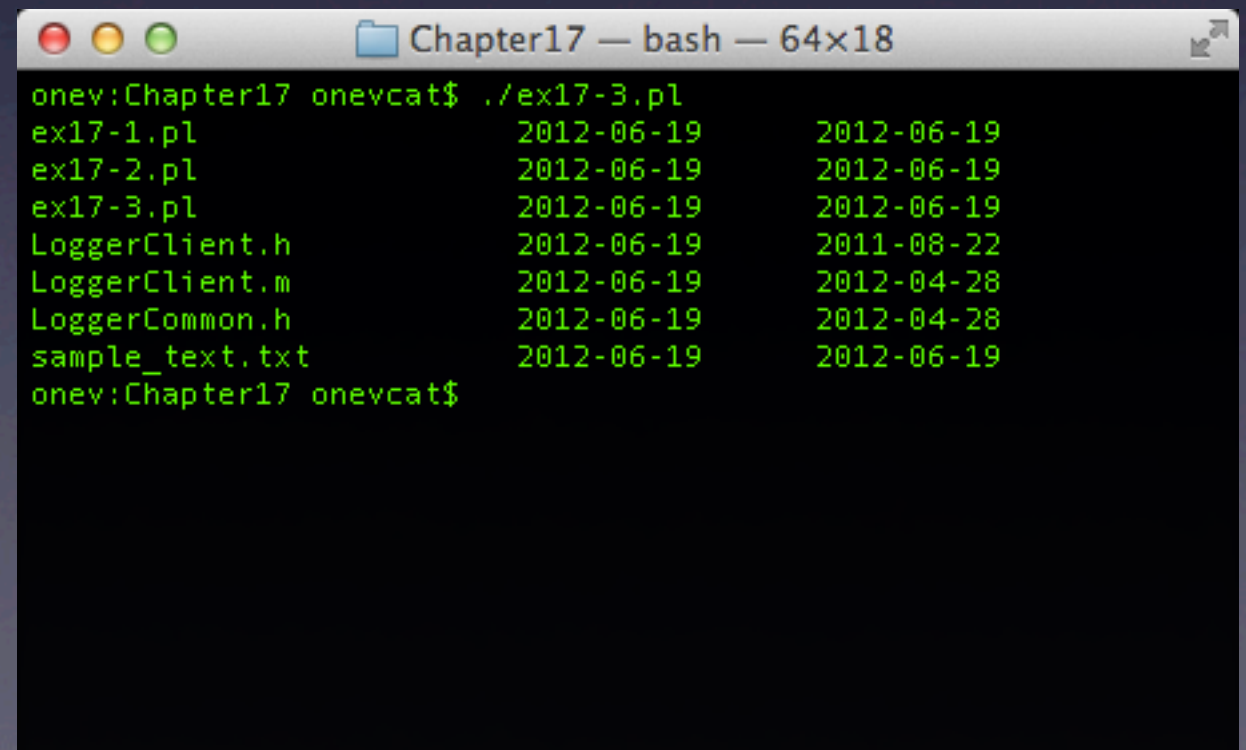
Logger*はテストファイルです。

問題 3

ソースコード:

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

foreach (glob '*') {
    my ($atime, $mtime) = map {
        my @localYMD = (localtime $_)[5,4,3];
        sprintf "%4d-%02d-%02d", $localYMD[0]+1900, $localYMD[1]+1, $localYMD[2];
    } (stat)[8,9];
    printf "%-20s %15s %15s\n", $_, $atime, $mtime;
}
```



```
Chapter17 — bash — 64x18
onev:Chapter17 onevc$ ./ex17-3.pl
ex17-1.pl          2012-06-19      2012-06-19
ex17-2.pl          2012-06-19      2012-06-19
ex17-3.pl          2012-06-19      2012-06-19
LoggerClient.h     2012-06-19      2011-08-22
LoggerClient.m     2012-06-19      2012-04-28
LoggerCommon.h     2012-06-19      2012-04-28
sample_text.txt    2012-06-19      2012-06-19
onev:Chapter17 onevc$
```