Learning Perl

Exercises 16

https://github.com/onevcat/LearningPerl

王巍

https://github.com/onevcat/LearningPerl/blob/master/Chapter16/ex16-1.pl

問題 1

ソースコード:

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

# Change to home directory successfully
chdir or die "Change directory failed. $!";
# call system command ls
system 'ls -l';
```

```
Chapter16 — bash — 64×31
onev:Chapter16 onevcat$ ./ex16-1.pl
total 12552
drwxr-xr-x    4 onevcat  staff      136  2  2 20:07 Applications
drwxr-xr-x@   4 onevcat  staff      136  2  2 20:07 Applications
 (Parallels)
drwxr-xr-x@  13 onevcat  staff      442 10  4  2011 DOS Games
drwxr--r--+  13 onevcat  staff      442  6 19 10:17 Desktop
-rw-r--r--    1 onevcat  staff    60612  8  3  2011 DeviceTree.n
90ap
drwxr--r--+  41 onevcat  staff     1394  6 16 22:14 Documents
drwxr--r--+ 123 onevcat  staff     4182  6 18 16:52 Downloads
drwx------@  34 onevcat  staff     1156  6 16 22:12 Dropbox
drwx------@  85 onevcat  staff     2890  6 14 15:19 Library
drwxr--r--@   8 onevcat  staff      272  6 16 22:14 Movies
drwxr--r--+  10 onevcat  staff      340  6 16 22:14 Music
drwxr-xr-x    7 onevcat  staff      238  3  4 14:24 OpenCV
drwxr--r--+  44 onevcat  staff     1496  6 16 22:14 Pictures
drwxr-xr-x+   6 onevcat  staff      204  6 16 22:14 Public
drwxr-xr-x+   4 onevcat  staff      136  6 16 22:14 Sites
drwx------@   4 onevcat  staff      136  4 25 00:17 SkyDrive
drwxrwxrwx   58 onevcat  staff     1972  6 14 20:15 World of War
craft
drwxr-xr-x   66 onevcat  staff     2244  6  5 14:47 github
-rw-r--r--    1 onevcat  staff   158084  8  3  2011 iBSS.n90ap
-rw-r--r--    1 onevcat  staff  6197380  8  3  2011 kernelcache.
release.n90
drwxr-xr-x   17 onevcat  staff      578 11  6  2011 simple-iphon
e-image-processing-read-only
-rw-r--r--    1 root     staff      366  5 25 14:03 umbrella0.lo
g
onev:Chapter16 onevcat$
```

https://github.com/onevcat/LearningPerl/blob/master/Chapter16/ex16-2.pl

問題 2

ソースコード:

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

open STDOUT, '>', 'ls.out' or die "Write to file
ls.out error. $!";
open STDERR, '>', 'ls.err' or die "Write to file
ls.err error. $!";
# Change to home directory successfully
chdir or die "Change directory failed. $!";
# call system command ls
system 'ls -l' or die "Execute \'ls\' failed. $!";
```

ls.outの結果は正確です。しかし，ls.errは空白のファイルではありません。アウトプットは最終の‘die’の’$!’です。ENOTTYがあります。これはシステムコマンドが失敗しなかったことを意味します。
詳細について，このリンクがあります。

ls.out

```
total 12552
drwxr-xr-x    4 onevcat  staff      136  2  2 20:07 Applications
drwxr-xr-x@   4 onevcat  staff      136  2  2 20:07 Applications (Parallels)
drwxr-xr-x@  13 onevcat  staff      442 10  4  2011 DOS Games
drwxr--r--+  15 onevcat  staff      510  6 18 23:45 Desktop
-rw-r--r--    1 onevcat  staff    60612  8  3  2011 DeviceTree.n90ap
drwxr--r--+  41 onevcat  staff     1394  6 16 22:14 Documents
drwxr--r--+ 123 onevcat  staff     4182  6 18 16:52 Downloads
drwx------@  34 onevcat  staff     1156  6 16 22:12 Dropbox
drwx------@  85 onevcat  staff     2890  6 14 15:19 Library
drwxr--r--@   8 onevcat  staff      272  6 16 22:14 Movies
drwxr--r--+  10 onevcat  staff      340  6 16 22:14 Music
drwxr-xr-x    7 onevcat  staff      238  3  4 14:24 OpenCV
drwxr--r--+  44 onevcat  staff     1496  6 16 22:14 Pictures
drwxr-xr-x+   6 onevcat  staff      204  6 16 22:14 Public
drwxr-xr-x+   4 onevcat  staff      136  6 16 22:14 Sites
drwx------@   4 onevcat  staff      136  4 25 00:17 SkyDrive
drwxrwxrwx   58 onevcat  staff     1972  6 14 20:15 World of Warcraft
drwxr-xr-x   66 onevcat  staff     2244  6  5 14:47 github
-rw-r--r--    1 onevcat  staff   158084  8  3  2011 iBSS.n90ap
-rw-r--r--    1 onevcat  staff  6197380  8  3  2011 kernelcache.release.n90
drwxr-xr-x   17 onevcat  staff      578 11  6  2011 simple-iphone-image-processing-read-only
-rw-r--r--    1 root     staff      366  5 25 14:03 umbrella0.log
```

ls.err

```
Execute 'ls' failed. Inappropriate ioctl for device at ./ex16-2.pl line 9.
```

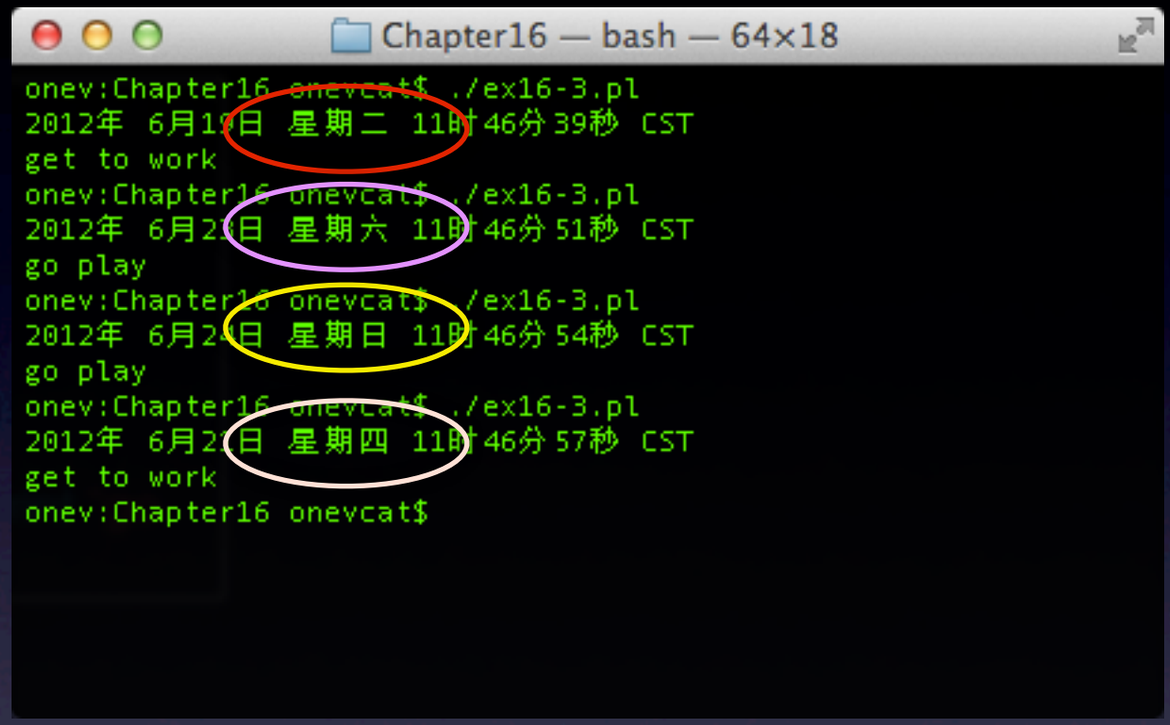
https://github.com/onevcat/LearningPerl/blob/master/Chapter16/ex16-3.pl

問題 3

ソースコード:

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

my $date = `date`;
print $date;
( $date =~ /\S+ \S+ \S+(六 | 日)/ ) ? print "go
play\n" : print "get to work\n";
```

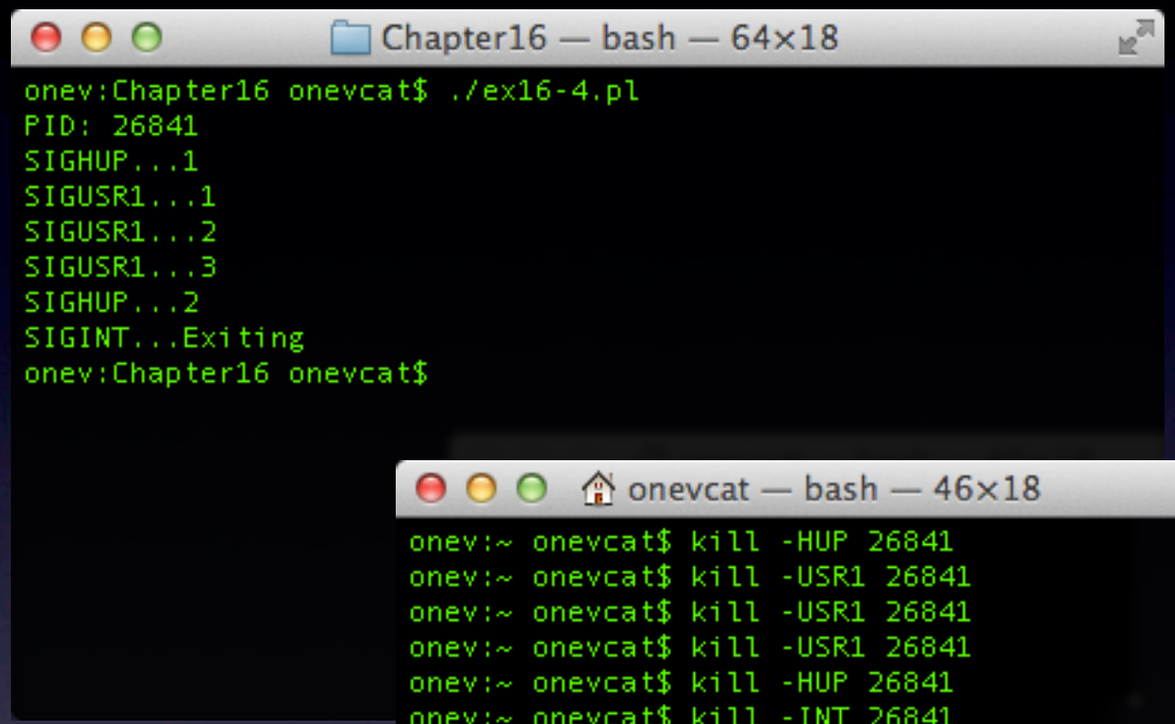
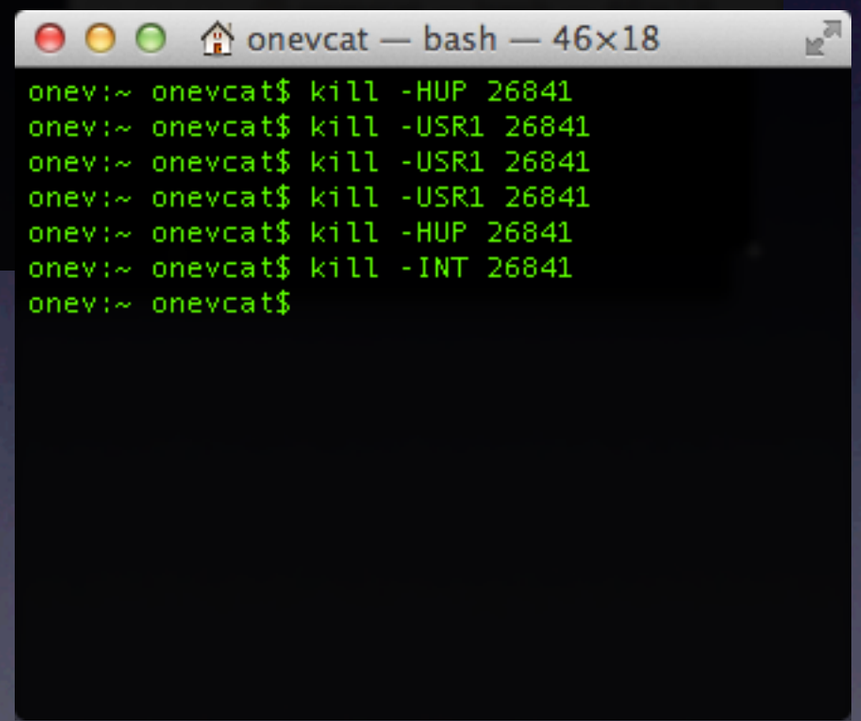


日中：曜日比較

日曜日	星期日
月曜日	星期一
火曜日	星期二
水曜日	星期三
木曜日	星期四
金曜日	星期五
土曜日	星期六

https://github.com/onevcat/LearningPerl/blob/master/Chapter16/ex16-4.pl

問題 4

ソースコード:

```
#! /usr/bin/perl
use strict;
use 5.010;

sub INTHandler{say  "SIGINT...Exiting"; exit;}
sub USR1Handler{state $count; $count++; say
"SIGUSR1...$count";}
sub HUPHandler{state $count; $count++; say
"SIGHUP...$count";}

$SIG{'INT'} = 'INTHandler';
$SIG{'USR1'} = 'USR1Handler';
$SIG{'HUP'} = 'HUPHandler';

say "PID: $$";
while (1) {
    sleep 1;
}
```