

Learning Perl

Exercises 6

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

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問題 1

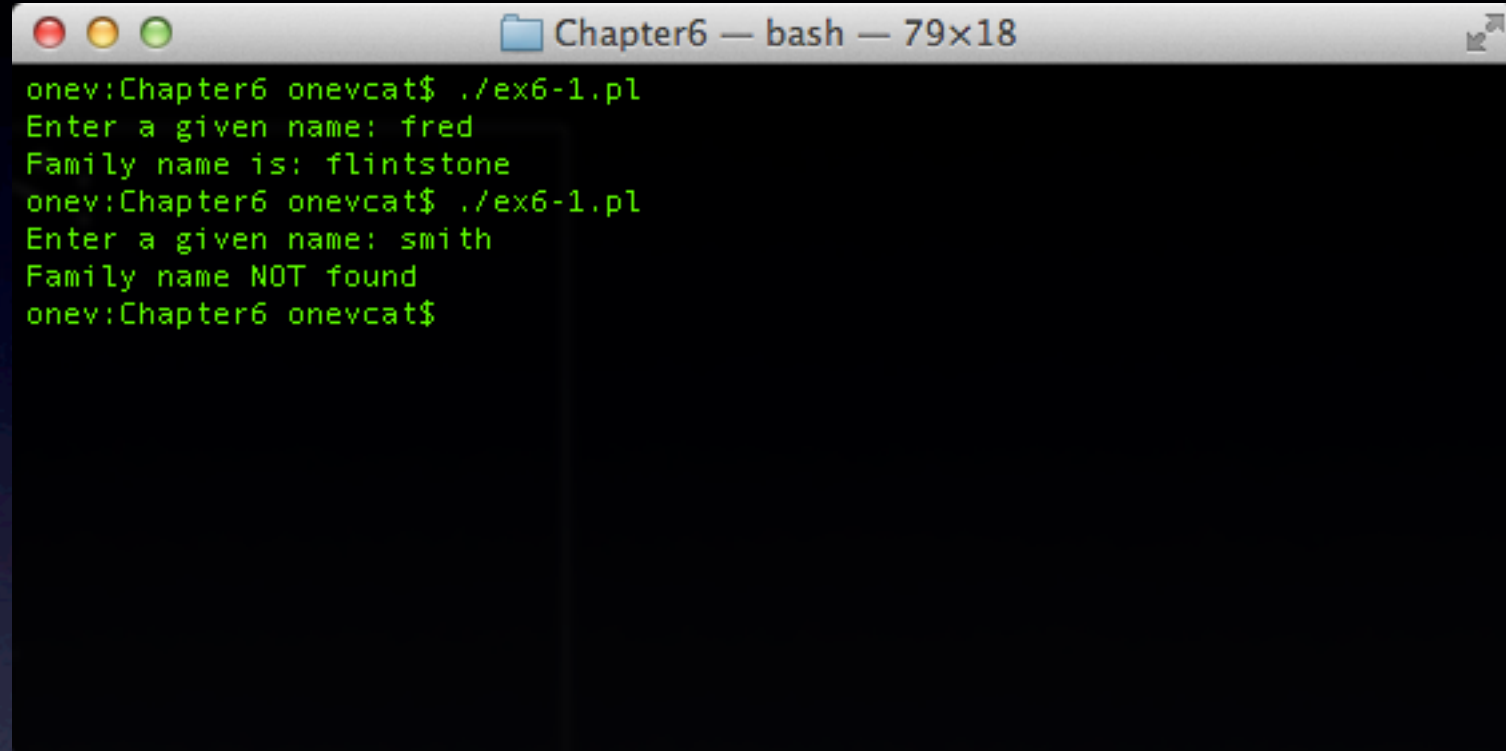
ソースコード:

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

my %persons = (
    fred => 'flintstone',
    barney => 'rubble',
    wilma => 'flintstone',
);

print "Enter a given name: ";
chomp (my $givenName = <STDIN>);

#-Mdiagnostics is used. print undef var may
cause a warning.
if ($persons{$givenName}) {
    print "Family name is:
$persons{$givenName}";
}
else {
    print "Family name NOT found";
}
```



A terminal window titled "Chapter6 — bash — 79x18" showing the execution of the Perl script. The prompt is "onev:Chapter6 onevcat\$". The first run shows "Enter a given name: fred" followed by "Family name is: flintstone". The second run shows "Enter a given name: smith" followed by "Family name NOT found".

```
onev:Chapter6 onevcat$ ./ex6-1.pl
Enter a given name: fred
Family name is: flintstone
onev:Chapter6 onevcat$ ./ex6-1.pl
Enter a given name: smith
Family name NOT found
onev:Chapter6 onevcat$
```

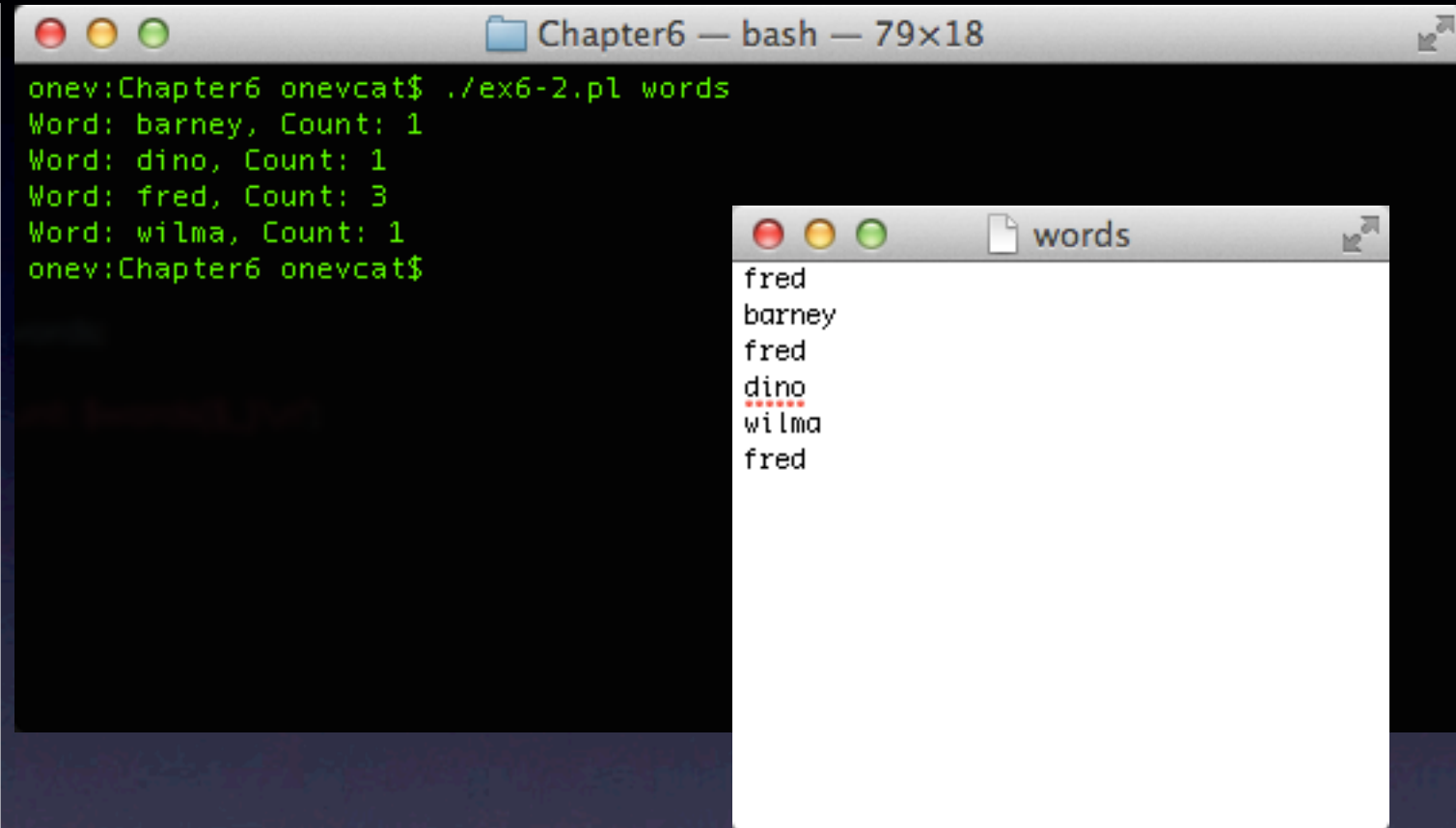
問題 2

ソースコード:

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

my %words;
while (<>) {
    chomp;
    $words{$_} ++;
}

my @keys = sort keys %words;
foreach (@keys) {
    print "Word: $_, Count:
$words{$_}\n";
}
```



The screenshot shows two windows. The top window is a terminal titled 'Chapter6 — bash — 79x18'. It displays the output of a Perl script: 'onev:Chapter6 onevc\$./ex6-2.pl words', followed by 'Word: barney, Count: 1', 'Word: dino, Count: 1', 'Word: fred, Count: 3', and 'Word: wilma, Count: 1'. The bottom window is a text editor titled 'words' showing the contents of the file: 'fred', 'barney', 'fred', 'dino', 'wilma', and 'fred'. The word 'dino' is highlighted with red dots.

問題 3

ソースコード:

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

my @keys = sort keys %ENV;
my $basePosition = maxLength(@keys) + 5;
my $valuePosition;
foreach (@keys) {
    $valuePosition = $basePosition -
length($_) + length($ENV{$_});
    printf "%s%${valuePosition}s\n", $_, $ENV{$_};
}

sub maxLength
{
    my $maxLength;
    foreach (@_) {
        length > $maxLength ? $maxLength =
length : 0;
    }
    $maxLength;
}
```

Chapter6 — bash — 79x18

```
onev:Chapter6 onevc$ ./ex6-3.pl
Apple_PubSub_Socket_Render    /tmp/launch-QxKH0L/Render
Apple_Ubiquity_Message        /tmp/launch-LV9aoR/Apple_Ubiquity_Message
COMMAND_MODE                  unix2003
DISPLAY                        /tmp/launch-UlBEym/org.x:0
HOME                           /Users/onevc
INFOPATH                       /sw/share/info:/sw/info:/usr/share/info
LANG                           zh_CN.UTF-8
LOGNAME                        onevc
MANPATH                        /sw/share/man:/usr/share/man:/usr/local/share/
man:/usr/X11/man:/usr/local/git/share/man:/sw/lib/perl5/5.12.3/man:/usr/X11R6/m
an
OLDPWD                         /Users/onevc
PATH                           /Library/Frameworks/Python.framework/Versions/
2.7/bin:/sw/bin:/sw/sbin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/bin:/usr/X11/
bin:/usr/local/git/bin:/usr/X11R6/bin
PERL5LIB                       /sw/lib/perl5:/sw/lib/perl5/darwin
PWD                            /Users/onevc/github/LearningPerl/Chapter6
```

Chapter6 — bash — 79x18

```
onev:Chapter6 onevc$ export IT_IS_A_TEST_ENV_VAR_AND_IT_IS_VERY_LONG=test
onev:Chapter6 onevc$ ./ex6-3.pl
Apple_PubSub_Socket_Render    /tmp/launch-QxKH0L/Render
Apple_Ubiquity_Message        /tmp/launch-LV9aoR/Apple_Ubiquity_
Message
COMMAND_MODE                  unix2003
DISPLAY                        /tmp/launch-UlBEym/org.x:0
HOME                           /Users/onevc
INFOPATH                       /sw/share/info:/sw/info:/usr/share
/info
IT_IS_A_TEST_ENV_VAR_AND_IT_IS_VERY_LONG  test
LANG                           zh_CN.UTF-8
LOGNAME                        onevc
MANPATH                        /sw/share/man:/usr/share/man:/usr/
local/share/man:/usr/X11/man:/usr/local/git/share/man:/sw/lib/perl5/5.12.3/man:
/usr/X11R6/man
OLDPWD                         /Users/onevc
PATH                           /Library/Frameworks/Python.framewo
```

ENVの追加