

Learning Perl

Exercises 8

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

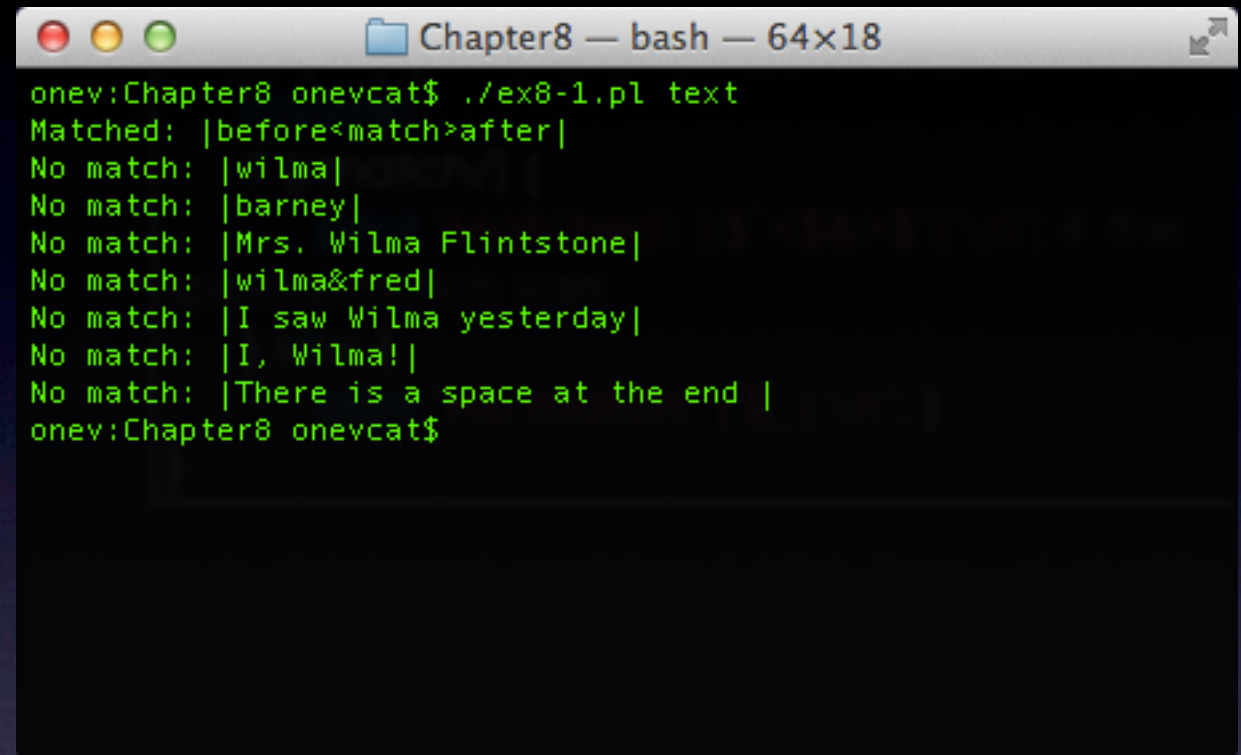
王巍

問題 1

ソースコード:

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

while (<>) { # take one input line at a time
    chomp;
    if (/match/) {
        print "Matched: |$`<$&>$'|\n"; # the
special match vars
    } else {
        print "No match: |$_|\n";
    }
}
```



A terminal window titled "Chapter8 — bash — 64x18" showing the execution of the script `./ex8-1.pl` with the following outputs:

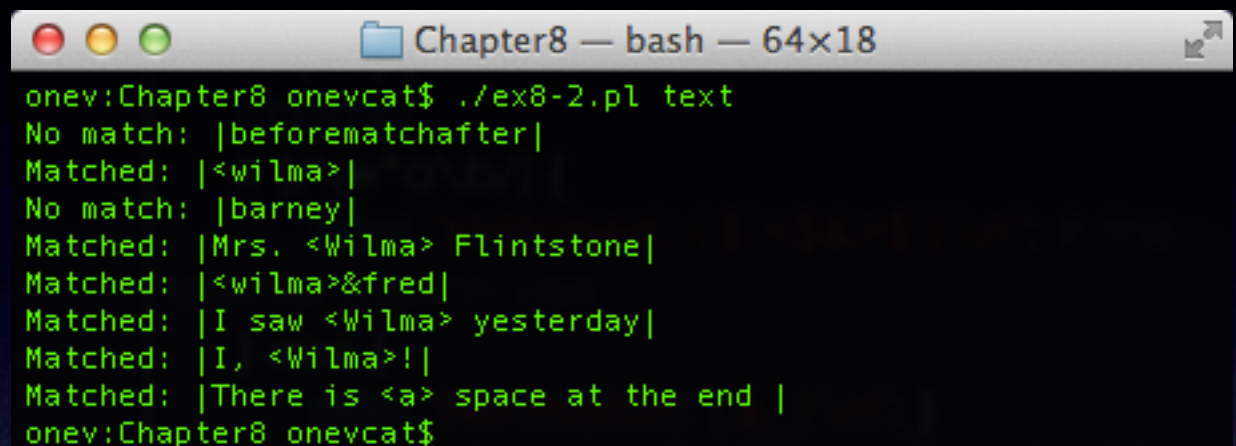
```
onev:Chapter8 onevcat$ ./ex8-1.pl text
Matched: |before<match>after|
No match: |wilma|
No match: |barney|
No match: |Mrs. Wilma Flintstone|
No match: |wilma&fred|
No match: |I saw Wilma yesterday|
No match: |I, Wilma!|
No match: |There is a space at the end |
onev:Chapter8 onevcat$
```

問題 2

ソースコード:

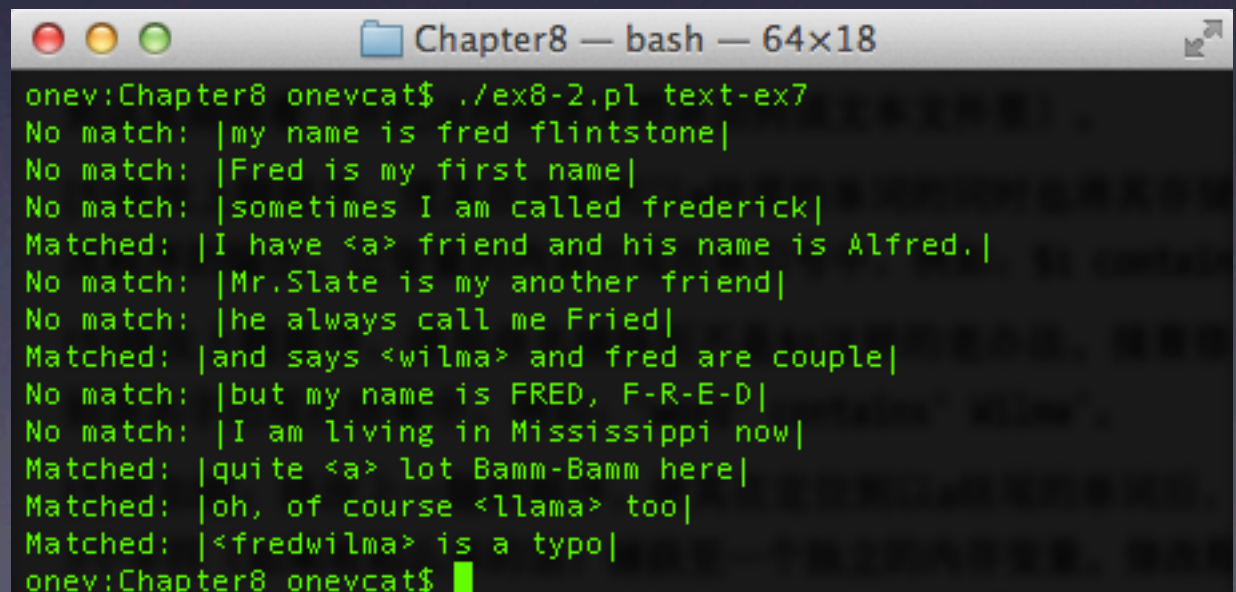
```
#!/usr/bin/perl
use strict;

while (<>) { # take one input line at a time
    chomp;
    if (/\\w*a\\b/) {
        print "Matched: |$`<$&>$'|\\n"; # the
        special match vars
    } else {
        print "No match: |$_|\\n";
    }
}
```



```
Chapter8 — bash — 64x18
onev:Chapter8 onevc$ ./ex8-2.pl text
No match: |beforematchafter|
Matched: |<wilma>|
No match: |barney|
Matched: |Mrs. <Wilma> Flintstone|
Matched: |<wilma>&fred|
Matched: |I saw <Wilma> yesterday|
Matched: |I, <Wilma>!!|
Matched: |There is <a> space at the end |
onev:Chapter8 onevc$
```

aと終わりの単語は全部マツチする



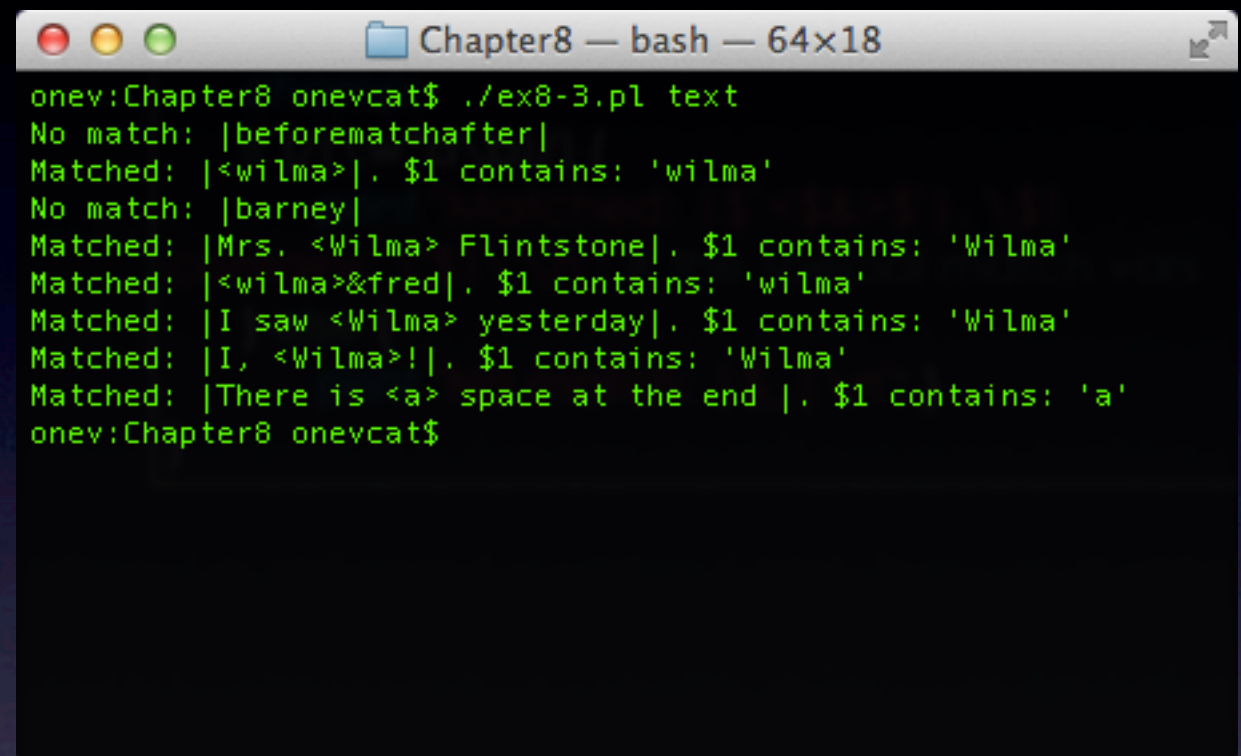
```
Chapter8 — bash — 64x18
onev:Chapter8 onevc$ ./ex8-2.pl text-ex7
No match: |my name is fred flintstone|
No match: |Fred is my first name|
No match: |sometimes I am called frederick|
Matched: |I have <a> friend and his name is Alfred.|
No match: |Mr.Slate is my another friend|
No match: |he always call me Fried|
Matched: |and says <wilma> and fred are couple|
No match: |but my name is FRED, F-R-E-D|
No match: |I am living in Mississippi now|
Matched: |quite <a> lot Bamm-Bamm here|
Matched: |oh, of course <llama> too|
Matched: |<fredwilma> is a typo|
onev:Chapter8 onevc$
```


問題 3

ソースコード:

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

while (<>) { # take one input line at a time
    chomp;
    if (/(\w*a\b)/) {
        print "Matched: |$`<$&>$'|. \ $1
contains: \ '$1' \n"; # the special match vars
    } else {
        print "No match: |$_| \n";
    }
}
```



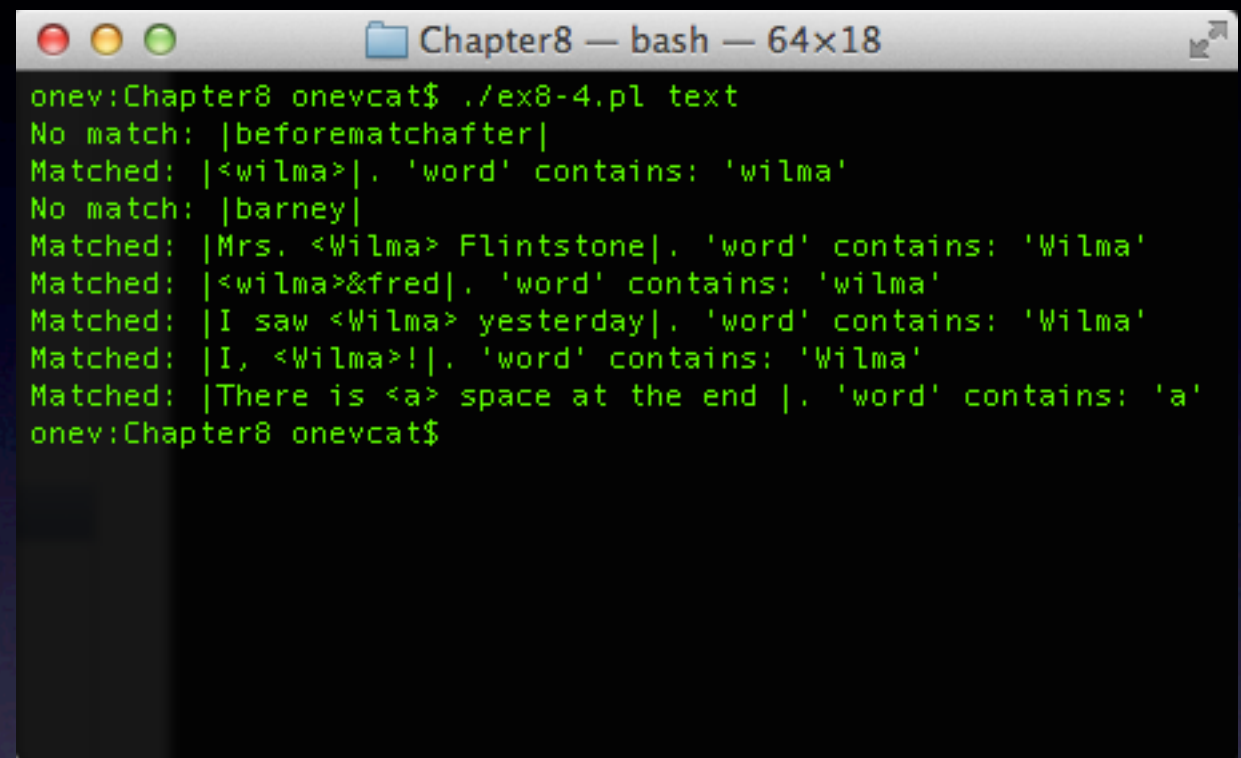
```
Chapter8 — bash — 64x18
onev:Chapter8 onevc$ ./ex8-3.pl text
No match: |beforematchafter|
Matched: |<wilma>|. $1 contains: 'wilma'
No match: |barney|
Matched: |Mrs. <Wilma> Flintstone|. $1 contains: 'Wilma'
Matched: |<wilma>&fred|. $1 contains: 'wilma'
Matched: |I saw <Wilma> yesterday|. $1 contains: 'Wilma'
Matched: |I, <Wilma>!|. $1 contains: 'Wilma'
Matched: |There is <a> space at the end|. $1 contains: 'a'
onev:Chapter8 onevc$
```

問題 4

ソースコード:

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

while (<>) { # take one input line at a time
    chomp;
    if (/(<word>\w*a\b)/) {
        print "Matched: |$`<$&>$'|. \ 'word\'
contains: \ '$+{word}\' \n"; # the special
match vars
    } else {
        print "No match: |$_| \n";
    }
}
```



The screenshot shows a terminal window titled "Chapter8 — bash — 64x18". The user has run the command `onev:Chapter8 onevc$./ex8-4.pl text`. The script processes the input "text" and produces the following output:

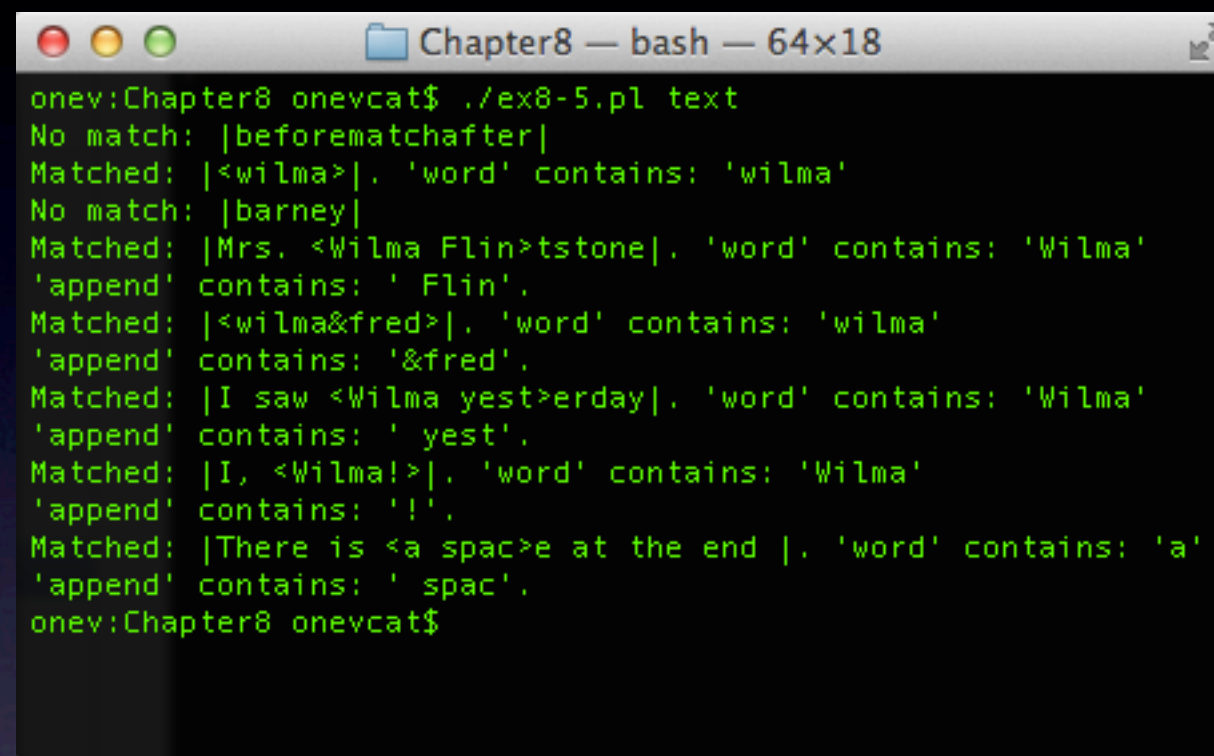
```
onev:Chapter8 onevc$ ./ex8-4.pl text
No match: |beforematchafter|
Matched: |<wilma>|. 'word' contains: 'wilma'
No match: |barney|
Matched: |Mrs. <Wilma> Flintstone|. 'word' contains: 'Wilma'
Matched: |<wilma>&fred|. 'word' contains: 'wilma'
Matched: |I saw <Wilma> yesterday|. 'word' contains: 'Wilma'
Matched: |I, <Wilma>!|. 'word' contains: 'Wilma'
Matched: |There is <a> space at the end|. 'word' contains: 'a'
onev:Chapter8 onevc$
```

問題 5

ソースコード:

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

while (<>) { # take one input line at a time
    chomp;
    if (/((?<word>\w*a\b)(?<append>.{0,5}))/) {
        print "Matched: |$`<$&>$'|. \\'word\'
contains: \\'$+{word}\\\'\\n"; # the special
match vars
        if ($+{append}) {
            print "\\'append\' contains: \\'$+
{append}\\\'\\n";
        }
    } else {
        print "No match: |$_|\\n";
    }
}
```



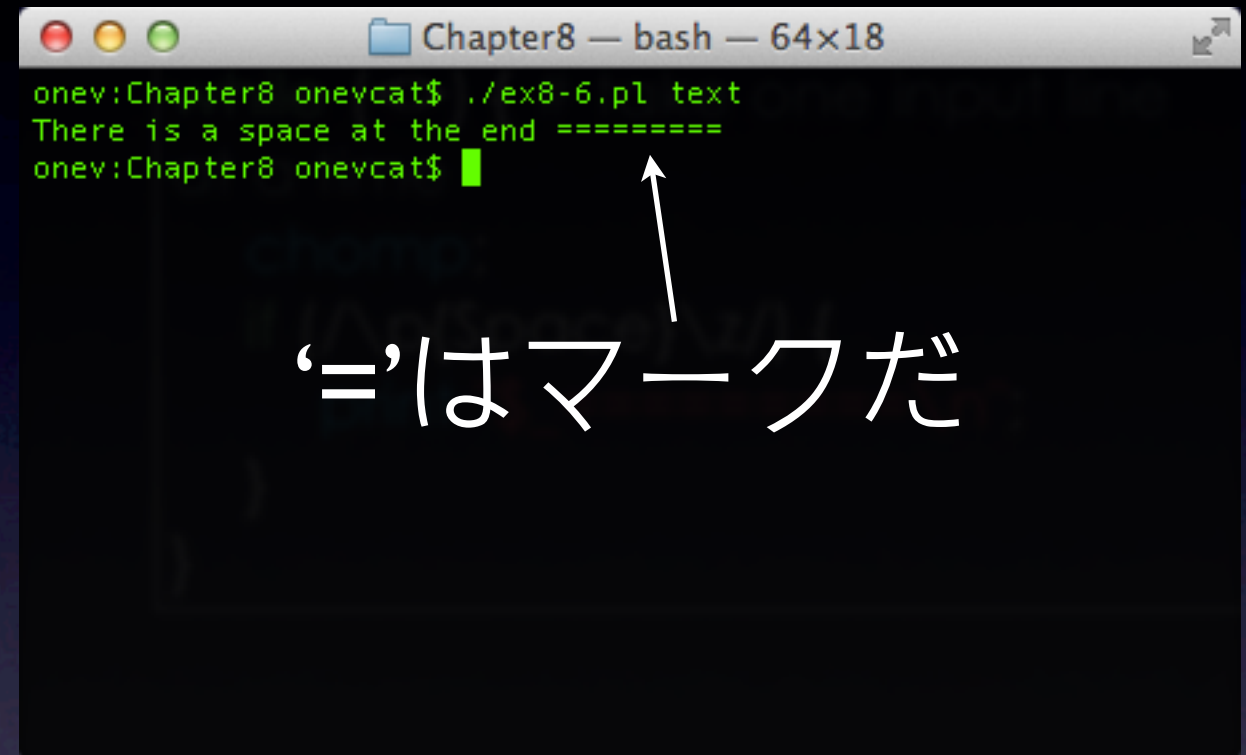
```
Chapter8 — bash — 64x18
onev:Chapter8 onevc$ ./ex8-5.pl text
No match: |beforematchafter|
Matched: |<wilma>|. 'word' contains: 'wilma'
No match: |barney|
Matched: |Mrs. <Wilma Flin>tstone|. 'word' contains: 'Wilma'
'append' contains: ' Flin'.
Matched: |<wilma&fred>|. 'word' contains: 'wilma'
'append' contains: '&fred'.
Matched: |I saw <Wilma yest>erday|. 'word' contains: 'Wilma'
'append' contains: ' yest'.
Matched: |I, <Wilma!>|. 'word' contains: 'Wilma'
'append' contains: '!'.
Matched: |There is <a spac>e at the end|. 'word' contains: 'a'
'append' contains: ' spac'.
onev:Chapter8 onevc$
```


問題 6

ソースコード:

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

while (<>) { # take one input line
    at a time
    chomp;
    if (/^\p{Space}\z/) {
        print "$_=====\n";
    }
}
```



```
Chapter8 — bash — 64x18
onev:Chapter8 onevc$ ./ex8-6.pl text
There is a space at the end =====
onev:Chapter8 onevc$
```

‘＝’はマークだ