

Learning Perl

Exercises I

王巍

問題 1 Hello, world

ソースコード:

```
#!/usr/bin/perl  
print "Hello, Kayac!\n";
```

A terminal window titled "Chapter1 — bash — 64x16" with standard macOS window controls (red, yellow, green buttons). The terminal shows the command `./ex1-1.pl` being executed, which outputs `Hello, Kayac!` followed by a new line. The prompt `onev:Chapter1 onevcat$` is visible on both lines.

```
Chapter1 — bash — 64x16  
onev:Chapter1 onevcat$ ./ex1-1.pl  
Hello, Kayac!  
onev:Chapter1 onevcat$
```

問題 2

```
Chapter1 — bash — 75x23
onev:Chapter1 onevcat$ perldoc -u -f atan2
```

```
Chapter1 — less — 75x23
=over 8

=item atan2 Y,X
X<atan2> X<arctangent> X<tan> X<tangent>

Returns the arctangent of Y/X in the range -PI to PI.

For the tangent operation, you may use the C<Math::Trig::tan>
function, or use the familiar relation:

    sub tan { sin($_[0]) / cos($_[0]) }

The return value for C<atan2(0,0)> is implementation-defined; consult
your atan2(3) manpage for more information.

=back
/var/folders/p6/fv93dc792mb5xl27h_ssytd40000gn/T/zVkrHaMene (END)
```

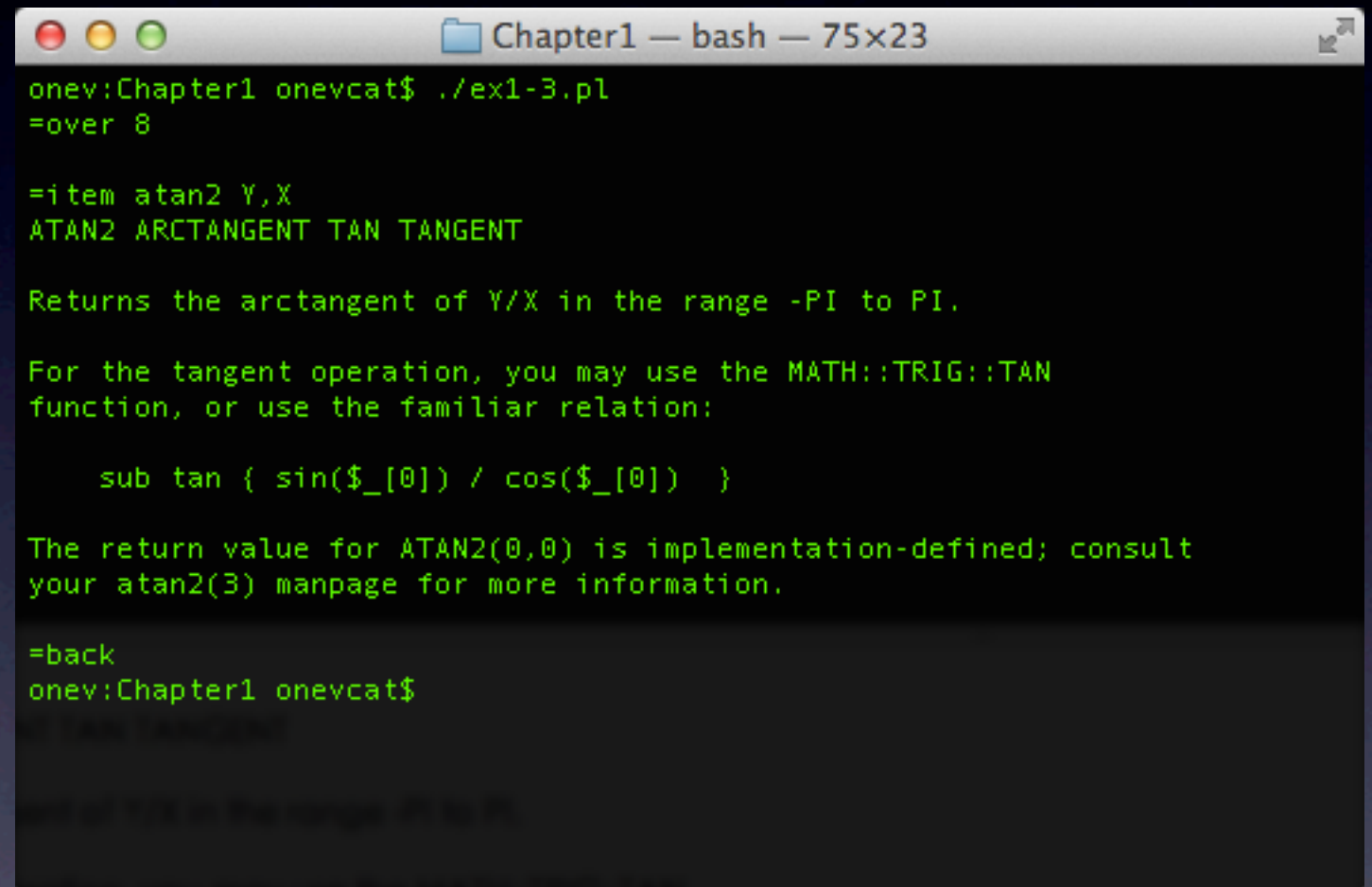
問題 3

ソースコード:

```
#!/usr/bin/perl
@lines = `perldoc -u -f atan2`;
foreach (@lines) {
    s/\w<([>]+)>\U$1/g;
    print;
}
```

解答

‘<’と‘>’と‘<’の前にローマ字は消えた。
‘<>’の中の小文字は大文字になった。



```
Chapter1 — bash — 75x23
onev:Chapter1 onevcat$ ./ex1-3.pl
=over 8

=item atan2 Y,X
ATAN2 ARCTANGENT TAN TANGENT

Returns the arctangent of Y/X in the range -PI to PI.

For the tangent operation, you may use the MATH::TRIG::TAN
function, or use the familiar relation:

    sub tan { sin($_[0]) / cos($_[0]) }

The return value for ATAN2(0,0) is implementation-defined; consult
your atan2(3) manpage for more information.

=back
onev:Chapter1 onevcat$
```