

Updates for The AWK Programming Language, Second Edition

page 3, line -5:

The input line *Kathy 15.50 10* should be in italic.

page 9, line -2:

It should say "\$2 is less than 20 ..." to match the code.

page 24:

The test at the top of the page should be:

```
NR == 10 { exit }
```

Otherwise the code prints 11 lines, not 10.

pages 26 and 27:

The streaming version of `mc` on **page 26** prints output in 7 columns, not 5, since the loop starts with `n` set to zero and ends with `n = 6`. Here's a better version:

```
{ out = sprintf("%s%-10.10s  ", out, $0)
  if (++n >= 5) {
    print substr(out, 1, length(out)-2)
    out = ""
    n = 0
  }
}
```

The second version of `mc` on **page 27** has a different problem: it doesn't include the two spaces between columns when computing the number of columns, so the result is always too high. Probably easiest fixed like this:

```
ncol = int(60 / (max+2) + 0.5) # int(x) returns integer value of x
```

page 32, line 9:

The expression `s = s $n++ " "` in the function `rest` works on `Awk` but not on `Gawk`. It's an ambiguity in resolving the precedences of the prefix `$` and the postfix `++`. Fixed by adding parentheses:

```
s = s $(n++) " "
```

The same construction appears near the middle of the page and is fixed in the same way.

page 33, line -10:

The `split` function is better written as

```
split(date, d)
```

to properly handle single-digit days that might be preceded by two spaces instead of one. Alternatively, the third argument could be `/ +/`.

page 42, line -10:

The test should be `$5 < 0.5` to match the text, which says "What about beer with less than say 0.5%?"

page 88:

The derivation at the bottom of the page is missing a couple of intermediate states. It should read:

```
Sentence -> Nounphrase Verbphrase
          -> the girl Verbphrase
          -> the girl Verb Modlist Adverb
          -> the girl runs Modlist Adverb
          -> the girl runs very Modlist Adverb
          -> the girl runs very very Modlist Adverb
          -> the girl runs very very Adverb
          -> the girl runs very very quickly
```

page 94, line -10:

In

```
pfx = tolower($0)
gsub(/^[^A-Za-z]/, "", pfx)
```

the RE doesn't need A-Z since `pfx` has no upper case letters.

page 111, line 8 of section 7.2:

The display should read `title caption`, not `label`.

page 114, the line `{ ok = 1 }` about 12 lines up from the bottom of the page doesn't do anything since `ok` is set to zero by the next pattern.

page 115, inside the `for` loop in the `END` block, there's no need to test `flag` again; it's never empty at this point.