

### 85.3.4 `local $ { $ x }`

The syntaxes

```
local ${ $x }
local @ { $x }
local % { $x }
```

now do localise variables, given that the `$x` is a valid variable name.

### 85.3.5 Unicode Character Database 4.0.0

The copy of the Unicode Character Database included in Perl 5.8 has been updated to 4.0.0 from 3.2.0. This means for example that the Unicode character properties are as in Unicode 4.0.0.

### 85.3.6 Deprecation Warnings

There is one new feature deprecation. Perl 5.8.0 forgot to add some deprecation warnings, these warnings have now been added. Finally, a reminder of an impending feature removal.

#### (Reminder) Pseudo-hashes are deprecated (really)

Pseudo-hashes were deprecated in Perl 5.8.0 and will be removed in Perl 5.10.0, see *perl58delta* for details. Each attempt to access pseudo-hashes will trigger the warning `Pseudo-hashes are deprecated`. If you really want to continue using pseudo-hashes but not to see the deprecation warnings, use:

```
no warnings 'deprecated';
```

Or you can continue to use the *fields* pragma, but please don't expect the data structures to be pseudohashes any more.

#### (Reminder) 5.005-style threads are deprecated (really)

5.005-style threads (activated by use `Thread;`) were deprecated in Perl 5.8.0 and will be removed after Perl 5.8, see *perl58delta* for details. Each 5.005-style thread creation will trigger the warning `5.005 threads are deprecated`. If you really want to continue using the 5.005 threads but not to see the deprecation warnings, use:

```
no warnings 'deprecated';
```

#### (Reminder) The `$ *` variable is deprecated (really)

The `$ *` variable controlling multi-line matching has been deprecated and will be removed after 5.8. The variable has been deprecated for a long time, and a deprecation warning `Use of $* is deprecated` is given, now the variable will just finally be removed. The functionality has been supplanted by the `/s` and `/m` modifiers on pattern matching. If you really want to continue using the `$ *`-variable but not to see the deprecation warnings, use:

```
no warnings 'deprecated';
```

### 85.3.7 Miscellaneous Enhancements

`map` in void context is no longer expensive. `map` is now context aware, and will not construct a list if called in void context.

If a socket gets closed by the server while printing to it, the client now gets a `SIGPIPE`. While this new feature was not planned, it fell naturally out of `PerlIO` changes, and is to be considered an accidental feature.

`PerlIO::get_layers(FH)` returns the names of the `PerlIO` layers active on a filehandle.

`PerlIO::via` layers can now have an optional UTF8 method to indicate whether the layer wants to "auto-:utf8" the stream. `utf8::is_utf8()` has been added as a quick way to test whether a scalar is encoded internally in UTF-8 (Unicode).