Ruby - Feature #5716

duplicated when clause is ignored -> Report which clause it is specifically.

12/06/2011 07:07 PM - shevegen (Robert A. Heiler)

Status:	Closed
Priority:	Normal
Assignee:	ko1 (Koichi Sasada)
Target version:	

Description

In latest Ruby 1.9.3, if you have warnings enabled, you get information like this here:

foobar.rb:24: warning: duplicated when clause is ignored

This error comes from the file:

compile.c

rb_compile_warning(RSTRING_PTR(iseq->filename), iobj->line_no,
"duplicated when clause is ignored");

This is called, it seems, when the prior function fails:

rb_hash_aset(map, obj, INT2FIX(lobj->position - (pos+len)));

As a user of Ruby, the warning should be better.

Rather than:

foobar.rb:24: warning: duplicated when clause is ignored

I would like to see:

foobar.rb:24: warning: duplicated when clause 'foo' is ignored.

This way, I can scan through the file with the case/when structure
and correct this error. But right now, if you have a very long
case/when structure, you have no idea WHICH clause is duplicated.

The warning message just vaguely says that there is, and this is
not very helpful information.

Associated revisions

Revision 6da0604df71d66b7484e77b92e5c13154664b06e - 04/10/2012 06:39 AM - ko1 (Koichi Sasada)

* compile.c (iseq_set_sequence): show a hint if there are duplicated
  "when" clauses. [ruby-core:41502] [ruby-trunk - Feature #5716]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@35277 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 6da0604d - 04/10/2012 06:39 AM - ko1 (Koichi Sasada)

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History

#1 - 03/28/2012 01:07 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

- Assignee set to ko1 (Koichi Sasada)

#2 - 04/09/2012 02:23 PM - ko1 (Koichi Sasada)

Thank you for your comment.

I added a small hint on it because if duplicated object was too big, the
output should be ugly.

Does it help you?

sample code

```
case nil
when 1
when 1, 1
when 1, 1, 1, 1
when 1, 1
end

#=>
../trunk/test.rb:1: warning: duplicated when clause (#1) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#2) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#3) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#4) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#5) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#6) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#7) is ignored
../trunk/test.rb:1: warning: duplicated when clause (#8) is ignored
```

Patch:
Index: compile.c

```
--- compile.c (revision 35267)
+++ compile.c (working copy)
@@ -1454,8 +1454,9 @@
rb_hash_aset(map, obj, INT2FIX(lobj->position - (pos+len)));
}
else {
```

- ███████████████████

```
            rb_compile_warning(RSTRING_PTR(iseq->filename), iobj->line_no,
```

- █████████████████████████████████████

- ███

```
    }
        }
        hide_obj(map);
```

(2011/12/06 19:07), markus heiler wrote:

> Issue #5716 has been reported by markus heiler.
>
> ---
>
> Feature #5716: duplicated when clause is ignored -> Report which clause it is specifically.
> http://redmine.ruby-lang.org/issues/5716
>
> Author: markus heiler
> Status: Open
> Priority: Low
> Assignee:
> Category:
> Target version:
>
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> This error comes from the file:
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not very helpful information.

--
// SASADA Koichi at atdot dot net

#3 - 04/09/2012 05:48 PM - shevegen (Robert A. Heiler)

Hi Koichi Sasada!

I have not tested it yet (will do so at the end of this week),
but I believe it will help me.

Thank you! :)

#4 - 04/10/2012 03:39 PM - ko1 (Koichi Sasada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r35277.
markus, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- compile.c (iseq_set_sequence): show a hint if there are duplicated
  "when" clauses. [ruby-core:41502] [ruby-trunk - Feature #5716]