

Including warnings in a Sweave() output file

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Let's try to check if $2 + 2 = 4$:

```
isequal <- function(a, b, c) {  
  if (a == 2 & b == 2 & c == 5)  
    warning("2 +2 = 5 only for large value of 2")  
  all.equal(a + b, c)  
}  
isequal(2, 2, 4)
```

[1] TRUE

Let's try to check if $2 + 2 = 5$:

```
isequal(2, 2, 5)Avis dans isequal(2, 2, 5) : 2 +2 = 5 only for large value of 2
```

[1] "Mean relative difference: 0.25"

A warning is issued here, but it is included in the **Sinput** environment. Let's hack the warning function to encapsulate its output in a **Soutput** environment:

Let's try again:

```
isequal(2, 2, 5)
```

Avis dans isequal(2, 2, 5) : 2 +2 = 5 only for large value of 2

[1] "Mean relative difference: 0.25"

The warning is now included in the **Soutput** environment.

Session information

- R version 2.4.0 (2006-10-03), `powerpc-apple-darwin8.7.0`
- Locale: `fr_FR.UTF-8/fr_FR.UTF-8/fr_FR.UTF-8/C/fr_FR.UTF-8/fr_FR.UTF-8`
- Base packages: base, datasets, grDevices, graphics, methods, stats, utils