

## 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