

Answers to exercises from Scrollbars Part 10

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Raymond Chen

Exercise: Explain why we used `0x7FFF` to represent infinite height.

Answer: Commenter “Reiko” got this right. `0x7FFF` is the maximum integer coordinate supported by Windows 95, 98 and Me.

Exercise: Explain the line `rcWindow.bottom += rcTemp.top` .

Answer: The more precise way of writing the line would have been

```
rcWindow.bottom += (rcTemp.top - rcWindow.top) - (0 - rcWindow.top);
```

The first term is the amount of non-client space consumed at the top of the window. The second term is the amount of non-client space consumed at the top of the window, taking wrapping into account. The difference, therefore is the amount by which *AdjustWindowRectEx* needs to be adjusted. But the two instances of `rcWindow.top` cancel out, leaving just `rcTemp.top` .

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