
Subject: Getting rid of loops

Posted by [Jacob Noel-Storr](#) on Thu, 17 Feb 2000 08:00:00 GMT

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I am trying to create non-loopy IDL code for a project I am working on.

I have a very long list of integers ('cycle numbers') and I need some way of creating an array that consists of just the cycle numbers. For example if I had:

```
> cycles=[2,2,2,2,2,6,6,7,7,7,9,9,9,27,27,27]
```

then I would want a function which would do this kind of thing:

```
> print,fn(cycles)
[2,6,7,9,27]
```

At the moment this is done by looping through the data twice. Once to count how many different values there are and once to write the different values into an array.

Any suggestions about how this could be achieved without the two 'for' loops?

Thanks,
Jacob

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