

Re: const function() !!??

Source: http://coding.derkeiler.com/Archive/C_CPP/comp.lang.c/2004-12/3326.html

From: Andrey Tarasevich (andreytarasevich_at_hotmail.com)

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Sundar wrote:

> *Do we have something called a const function ? I thought applying the*
> *'const' specifier to a function is meaningless...*

You can't apply the 'const' specifier to a function in C. That would be a syntax error.

> *but when i tried*
> *defining a const function it worked !!*
> *like...*
> *const int func(int a)*
> *{*
> *int b;*
> *.....*
> *return b;*
> *}*

This is not a 'const' function. In accordance with C syntax, this 'const' qualifier is applied to the return type of the function. I.e. this function return type is 'const int'.

Syntactically, a naive attempt to apply a 'const' qualifier to a function would look as follows

```
int (const func)(int a)
```

but this simply won't compile.

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Best regards,
Andrey Tarasevich