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Subject: Re: get\_i  
Posted by [mirek](#) on Fri, 03 Jul 2020 07:38:07 GMT  
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Novo wrote on Thu, 02 July 2020 22:08: Sorry for the late response.  
My code is correct. Temporary String lives only during function call. This is how C++ works.

I would not be fixing it if it was correct. Whole thing was actual error in actual application.

Indeed, temp string lives only during function call. What happened here is that in some circumstances when mixing String and const char \* parameters, const char \* gets converted to String temporary, then back to const char \*, then temporary is destroyed and dangling const char \* returned.

Quote:

Return type is a value, not a reference. So, no temporaries ...

And that is exactly the problem. That return value is temporary one level up and gets converted to const char \*....

It is very tricky indeed. Actually the version posted here was not final, it needed more fixes for other situations (namely enums). Hopefully trunk version is now ok. Full test is in "autotest/decode". Also the error only appears with MSC, but I have checked, the problem is not in the compiler.