Subject: important note when a strange compilation error occurs
Posted by BetoValle on Sat, 26 Jun 2021 19:42:16 GMT
View Forum Message <> Reply to Message

Hi,

Suddenly, through an unnoticed distraction, a strange compilation error occurs.
It happened to me, although it solved with some slowness, because I was evaluating the reason, as that something difficult to visualize in the code suddenly happened (in this case, it involved many lines of code).

the ide show errors like

...'using namespace' is not allowed in classes

...non-friend class member 'Get' cannot have a qualified name

```
class....{}
  public:
   ....
   ....
   ....
   void getTiposCartao(){; // <----- I accidentally pasted a bracket and didn't notice.
   ....
   ....
};
```

that's why I think good practices such as writing function and as soon as it ends compiling before writing others function or the next code.

Thanks

Subject: Re: important note when a strange compilation error occurs
Posted by BetoValle on Sun, 27 Jun 2021 14:42:51 GMT
View Forum Message <> Reply to Message

It is important to highlight that:

function abc() {; // <---------- in this situation the compiler "will not" point to the line where the error occurred!!!

function abc() }; // <---------- in this situation the compiler "will" point to the line where the error occurred!!!

Thanks!

Subject: Re: important note when a strange compilation error occurs
Posted by Klugier on Sun, 27 Jun 2021 15:49:51 GMT
View Forum Message <> Reply to Message

Hello,

According to the standard following line is valid code:

void getTiposCartao(){;

You are opening function scope and add empty instruction. Please noticed that you can place whatever number of semicolons as you want:

void getTiposCartao(){;;;;;;; // <- valid

Why it is so? In C/C++ you are not force to write instruction per line - it is good habbit, but you have flexibility:
void getTiposCartao(){int a = 4;++a;int b = a + 10;for(int i = 0; i < 10; ++i){};;;} // <- You could process universe in the single function ;)

For the readability reason nobody should write code like this... This is not something we could fix within TheIDE. It is how the language is defined.

On the other hand following code:

function abc() };

is invalid due to parenthesis mismatch.
Klugier

Subject: Re: important note when a strange compilation error occurs
Posted by BetoValle on Sun, 27 Jun 2021 18:05:25 GMT

Hi Klugier,

I understand your placement.

I don't have experience with c/c++, but considering from beginning to end of the code (total), if not close the bracket and semicolon "};" understand that the compiler will return to the first line of a new function, for example, and will display an error message in the format
(file name);(line); error function definition is not allowed here (this error for my case).

In my case, the error was in the header file "file.h" and the compiler showed the 1st line of another function that was in the file "file.cpp", ie considering large files, the situation was visually difficult to be solved.

Thanks!