
Subject: Re: How to link assembler compiled file
Posted by [mirek](#) on Sat, 24 May 2025 11:55:10 GMT
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frederik.dumarey wrote on Sat, 24 May 2025 12:07Hello Mirek,

Thanks for mentioning the verbose console check. The .S and .CPP files were correctly compiled in .O files, but the linking failed on the global export. Most stupid error: i forgot the underscore for my variable :blush: .

```
#include <iostream>

//declare the assembler function
extern "C" size_t _my_strlen(const char* str);

int main(int argc, const char *argv[])
{
    const char* message = "Hello from Assembler";
    size_t length = _my_strlen(message);
    std::cout << "Message: " << message << std::endl;
    std::cout << "Length: " << length << std::endl;
    return 0;
}
```

When you compile this all links up fine and runs perfectly!

So for those of you that want to include native assembler functions for SS2, AVX SIMD instructions, you can give it a try with this method :)
As Mirek mentioned, bit exotic, but I thought why not...

Just to be sure, are you aware there are intrinsics for these?

(And also that we have common NEON/SSE2 subset supported?)

Mirek
