

1. Introducing C++. Reference type.

Task. Analyze and debug the following pieces of code.

C- bad	C-good	C++
<pre>#include<stdio.h> void f(int i) { i=i+2; } int main(void) { int i=0; f(i); printf("%d\n",i); } /* Output: 0 */</pre>	<pre>#include<stdio.h> void f(int* pi) { (*pi)=(*pi)+2; } int main(void) { int i=0; f(&i); printf("%d\n",i); } /* Output: 2 */</pre>	<pre>#include<stdio.h> void f(int& i) { i=i+2; } int main(void) { int i=0; f(i); printf("%d\n",i); } /* Output: 2 */</pre>

Homework:

- refresh your knowledge of the standard C programming language;
- practice reference types and reference parameters.