

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ls
```

```
a1.c a2.c a3.c a4.c a5.c a.c a.out Visual Studio 2017 Англ.txt Мои программы Олимпиадное прогание C++
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
5
```

```
10 / 5 = 2.000
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -v a.c | head - 15
```

```
Using built-in specs.
```

```
COLLECT_GCC=gcc
```

```
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-linux-gnu/5/lto-wrapper
```

```
Target: x86_64-linux-gnu
```

```
Configured with: ../src/configure -v --with-pkgversion='Ubuntu 5.4.0-6ubuntu1~16.04.10' --with-bugurl=file:///usr/share/doc/gcc-5/README.Bugs --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --prefix=/usr --program-suffix=-5 --enable-shared --enable-linker-build-id --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix --libdir=/usr/lib --enable-nls --with-sysroot=/ --enable-clocale=gnu --enable-libstdcxx-debug --enable-libstdcxx-time=yes --with-default-libstdcxx-abi=new --enable-gnu-unique-object --disable-vtable-verify --enable-libmpx --enable-plugin --with-system-zlib --disable-browser-plugin --enable-java-awt=gtk --enable-gtk-cairo --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-5-amd64/jre --enable-java-home --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-5-amd64 --with-jvm-jar-dir=/usr/lib/jvm-
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -S a.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ls
```

```
a1.c a2.c a3.c a4.c a5.c a.c a.out a.s Visual Studio 2017 Англ.txt Мои программы Олимпиадное прогание C++
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ cat a.s | head - 15
```

```
.file "a.c"

.section    .rodata

.LC0:

.string "%lf %lf"

.LC2:

.string "%.0lf / %.0lf = %.3lf\n"

.LC3:

.string "No"

.text

.globl main

.type main, @function

main:

.LFB0:

.cfi_startproc
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -E a.c | head - 10
```

```
# 1 "a.c"
```

```
# 1 "<built-in>"
```

```
# 1 "<command-line>"
```

```
# 1 "/usr/include/stdc-predef.h" 1 3 4
```

```
# 1 "<command-line>" 2
```

```
# 1 "a.c"
```

```
# 1 "/usr/include/stdio.h" 1 3 4
```

```
# 27 "/usr/include/stdio.h" 3 4
```

```
# 1 "/usr/include/features.h" 1 3 4
```

```
# 367 "/usr/include/features.h" 3 4
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -save-temps a.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ls
```

```
a1.c a3.c a5.c a.i a.out Visual Studio 2017 Мои программы C++
```

```
a2.c a4.c a.c a.o a.s Англ.txt Олимпиадное прогание
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ cat a.i | head -n 10
```

```
# 1 "a.c"
```

```
# 1 "<built-in>"
```

```
# 1 "<command-line>"
```

```
# 1 "/usr/include/stdc-predef.h" 1 3 4
```

```
# 1 "<command-line>" 2
```

```
# 1 "a.c"
```

```
# 1 "/usr/include/stdio.h" 1 3 4
```

```
# 27 "/usr/include/stdio.h" 3 4
```

```
# 1 "/usr/include/features.h" 1 3 4
```

```
# 367 "/usr/include/features.h" 3 4
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -std=c99 a.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
5
```

```
10 / 5 = 2.000
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc -Wall a.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
5
```

```
10 / 5 = 2.000
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a1.c
```

```
a1.c: In function 'main':
```

```
a1.c:6:8: warning: format '%ld' expects argument of type 'long int *', but argument 3 has type 'double *' [-Wformat=]
```

```
scanf("%lf %ld", &a, &b);
```

```
^
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
5.5
```

```
2.2
```

```
6 / 0 = inf
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a2.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
0
```

```
10 / 0 = inf
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a3.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
5
```

```
10 / 5 = 50.000
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a4.c
```

```
a4.c: In function 'main':
```

```
a4.c:7:2: warning: implicit declaration of function 'id' [-Wimplicit-function-declaration]
```

```
id (b != 0) {
```

```
^
```

```
a4.c:7:14: error: expected ';' before '{' token
```

```
id (b != 0) {
```

```
^
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ gcc a5.c
```

```
Admin@LAPTOP-Q5U6S2UH:/mnt/c/Users/Admin/Desktop/Все для вуза$ ./a.out
```

```
10
```

```
5
```

```
5 / 10 = 0.500
```

