#include<stdio.h>

int main()

{

int a=1;

if(a>1)

a=1;

else

a=2;

printf("%d",a);

}

生成汇编代码

.file "004.c"

.intel\_syntax

.def \_\_\_main; .scl 2; .type 32; .endef

.section .rdata,"dr"

LC0:

.ascii "%d\0"

.text

.align 2

.globl \_main

.def \_main; .scl 2; .type 32; .endef

\_main:

push ebp

mov ebp, esp

sub esp, 24

and esp, -16

mov eax, 0

add eax, 15

add eax, 15

shr eax, 4

sal eax, 4

mov DWORD PTR [ebp-8], eax

mov eax, DWORD PTR [ebp-8]

call \_\_alloca

call \_\_\_main

mov DWORD PTR [ebp-4], 1；将1传给DWORD PTR [ebp-4]

cmp DWORD PTR [ebp-4], 1；将DWORD PTR [ebp-4]与1比较

jle L2 ；结果小于等于0跳转到L2，若不是，执行下一行代码

mov DWORD PTR [ebp-4], 1；将1传给DWORD PTR [ebp-4]

jmp L3 ；跳转到L3

L2:

mov DWORD PTR [ebp-4], 2；将2传给DWORD PTR [ebp-4]

L3:

mov eax, DWORD PTR [ebp-4] ；这段代码

mov DWORD PTR [esp+4], eax ；我也不懂

mov DWORD PTR [esp], OFFSET FLAT:LC0 ；待师傅解决

call \_printf ；打印

mov eax, 0

leave

ret

.def \_printf; .scl 2; .type 32; .endef