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anonymous@kali:~$7x47
/usr/bin/ld: no se puede usar el fichero ejecutable 'reverse32b' como entrada de un enl
collect2: error: ld returned 1 exit status

anonymous@kali:~$
$ gcc -m32 -std=c99 -o reverse32b reverse.c

anonymous@kali:~$
$ gdb -q reverse32b
Reading symbols from reverse32b...
(gdb) disass main
Dump of assembler code for function main:
0x00001192 <+0>: push    rbp
0x00001193 <+1>: mov     rbp,esp
0x00001195 <+3>: sub     esp,0x20
0x00001198 <+6>: call   @x11f6 <_x86_get_pc_thunk.ax>
0x0000119d <+11>: add     esp,0x2c57
0x000011a2 <+16>: nop
0x000011a3 <+17>: mov     DWORD PTR [rbp-0x4],0x1
0x000011a6 <+20>: mov     WORD PTR [rbp-0xc],0x0
0x000011b1 <+23>: nop
0x000011b2 <+24>: mov     DWORD PTR [rbp-0x10],0x4443a241
0x000011b9 <+29>: mov     DWORD PTR [rbp-0x12],0x48474645
0x000011bc <+32>: mov     WORD PTR [rbp-0xc],0x49
0x000011c6 <+52>: nop
0x000011c7 <+53>: lea     eax,[rbp-0xc]
0x000011ca <+56>: mov     DWORD PTR [rbp-0x8],eax
0x000011cd <+59>: nop
0x000011ce <+60>: jmp     0x11e0 <main+84>
0x000011d0 <+62>: nop
0x000011d1 <+63>: push    DWORD PTR [rbp-0x4]
0x000011d4 <+66>: call   0x1179 <function>
0x000011d9 <+71>: add     esp,0x4
0x000011dc <+74>: nop
0x000011dd <+75>: mov     eax,DWORD PTR [rbp-0xc]
0x000011de <+76>: add     eax,0x1
0x000011e3 <+81>: mov     DWORD PTR [rbp-0xc],eax
0x000011e6 <+84>: mov     eax,DWORD PTR [rbp-0xc]
0x000011e9 <+87>: cmp     eax,0x0
0x000011ec <+90>: jle     0x11de <main+62>
0x000011ee <+92>: nop
0x000011ef <+93>: mov     eax,0x0
0x000011f4 <+98>: leave
0x000011f5 <+99>: ret
End of assembler dump.
(gdb)

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anonymous@kali:~$8x47
$ gcc -std=c99 -o reverse64b reverse.c
/usr/bin/ld: no se puede encontrar stdc99: No existe el fichero o el d
collect2: error: ld returned 1 exit status

anonymous@kali:~$
$ gdb -q reverse64b
Reading symbols from reverse64b...
(gdb) disass main
Dump of assembler code for function main:
0x0000000000001138 <+0>: push    rbp
0x0000000000001139 <+1>: mov     rbp,rsp
0x000000000000113c <+4>: sub     rsp,0x30
0x0000000000001140 <+8>: mov     DWORD PTR [rbp-0x24],edi
0x0000000000001143 <+11>: mov     QWORD PTR [rbp-0x30],rsi
0x0000000000001147 <+15>: nop
0x0000000000001148 <+16>: mov     DWORD PTR [rbp-0x4],0x1
0x000000000000114f <+23>: mov     WORD PTR [rbp-0x1c],0x0
0x0000000000001156 <+30>: nop
0x0000000000001157 <+31>: movabs  rax,0x484746454443a241
0x0000000000001161 <+35>: mov     QWORD PTR [rbp-0x10],rax
0x0000000000001165 <+39>: mov     WORD PTR [rbp-0x10],0x49
0x000000000000116b <+45>: nop
0x000000000000116c <+46>: lea     rax,[rbp-0x1c]
0x0000000000001170 <+50>: mov     QWORD PTR [rbp-0x10],rax
0x0000000000001174 <+54>: nop
0x0000000000001175 <+55>: jmp     0x118c <main+84>
0x0000000000001177 <+57>: nop
0x0000000000001178 <+58>: mov     eax,DWORD PTR [rbp-0x4]
0x000000000000117b <+61>: mov     edi,eax
0x000000000000117d <+63>: call   0x1129 <function>
0x0000000000001182 <+67>: nop
0x0000000000001183 <+68>: mov     eax,DWORD PTR [rbp-0x1c]
0x0000000000001186 <+71>: add     eax,0x1
0x0000000000001189 <+74>: mov     DWORD PTR [rbp-0x1c],eax
0x000000000000118c <+77>: mov     eax,DWORD PTR [rbp-0x1c]
0x000000000000118f <+80>: cmp     eax,0x0
0x0000000000001192 <+83>: jle     0x1177 <main+63>
0x0000000000001194 <+85>: nop
0x0000000000001195 <+86>: mov     eax,0x0
0x000000000000119a <+91>: leave
0x000000000000119b <+92>: ret
End of assembler dump.
(gdb)

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- /reverse.c - Sublime Text (UNREGISTERED)
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1 #include <stdio.h>
2 #include <stdint.h>
3
4 #define XXX __asm__ ("nop")
5
6 int function(int a){
7     XXX;
8     return a*2;
9 }
10 int main(int argc, char const *argv[])
11 {
12     XXX;
13
14     int a = 1, i=0, *puntero;
15
16     XXX;
17
18     char b[10] = "ABCDEFGHII";
19
20     XXX;
21
22     puntero = &i;
23
24     XXX;
25
26     while( i < 10){
27         XXX;
28         function(a);
29         XXX;
30         i++;
31     }
32
33     XXX;
34
35     return 0;
36 }

```

