

```
; Attributes: bp-based frame

; int __cdecl main(int argc, const char **argv, const char **envp)
public main
main proc near

var_4= dword ptr -4
argc= dword ptr 8
argv= dword ptr 0Ch
envp= dword ptr 10h

lea    ecx, [esp+4]
and    esp, 0FFFFFFF0h
push   dword ptr [ecx-4]
push   ebp
mov    ebp, esp
push   ecx
sub    esp, 4
call   check_flag
call   vulnerable_function
sub    esp, 4
push   0Dh
push   offset aHelloWorld ; "Hello, World\n"
push   1
call   _write
add    esp, 10h
mov    ecx, [ebp+var_4]
leave
lea    esp, [ecx-4]
retn
main endp
```