ELF HEADER

E_IDENT

0+4	EI_MAG	\x7F ELF
5+1	EI_DATA	None

ELF64_Ehdr

10+2	e_type	2 ET_EXEC
12+2	e_machine	0x3E EM_X86_64
14+4	e_version	Ignored
18+8	e_entry	0x4000AA -> 0xAA
20+8	e_phoff	0x4A -> 0x4A
34+2	e_ehsize	0x40
36+2	e_phentsize	0x38
38+2	e_phnum	1

ELF64_Phdr (Program header)

->4A+4	p_type	1 LOAD
4E+4	p_flags	5 XWR
52+8	p_ofiset	0
5A+8	p_vaddr	0x400000
6A+8	p_filesz	0x2B Shellcode + Strlen
72+8	p_memsz	0x2B Shellcode + Strlen

x64 code

->AA+2	mov al,	1 WRITE
AC+3	mov dil,	ax STDOUT
AF+5	mov esi	0x400111 buffer-> 0x111
B4+2	mov dl,	0x32 strlen
B6+2	syscall	
B8+2	mov al,	0x3C EXIT
BA+3	inc dil	ret 2
BD+2	syscall	

String

->111+33	String	BGPP... \n\r\0$