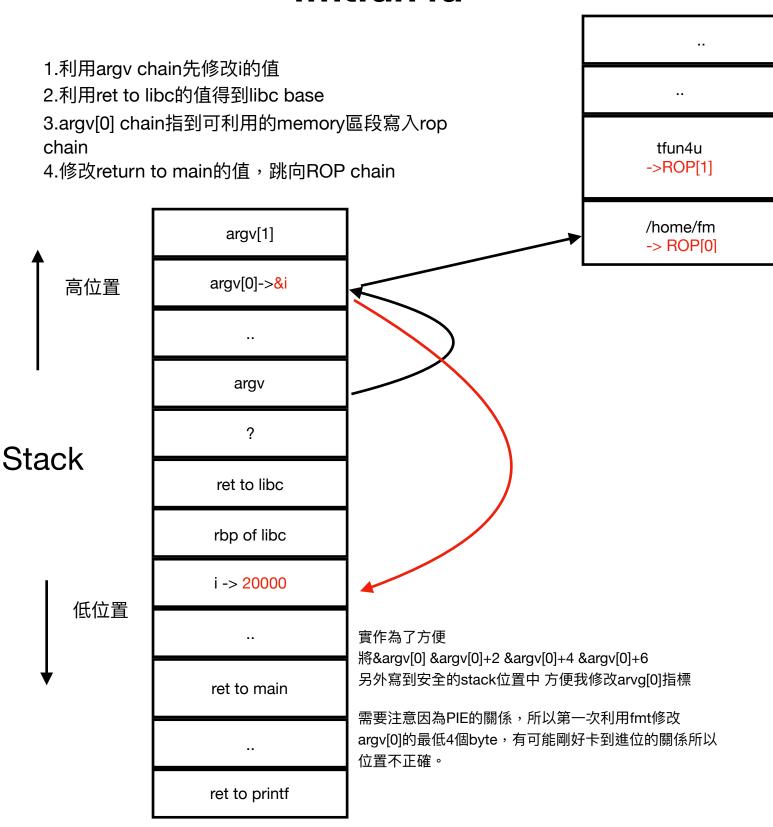
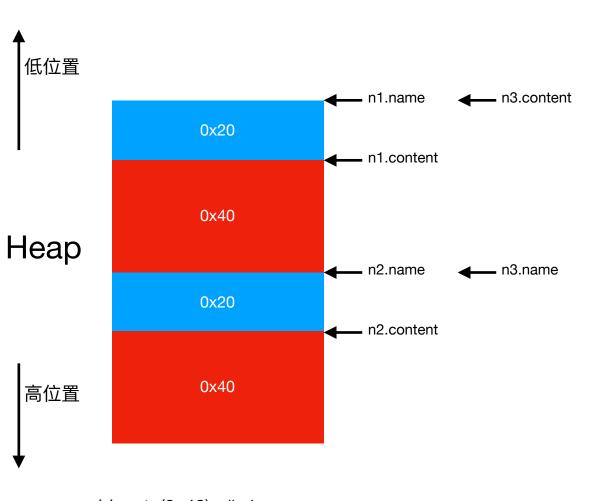
## fmtfun4u



FLAG{FEED\_MY\_TURTLE}

## hacknote2

利用use after free,就可以使用print\_note去leak libc info 及hijack control flow



add\_note(0x40) #n1 add\_note(0x40) #n2 del\_note(0) del\_note(2) add\_note(0x10) #n3

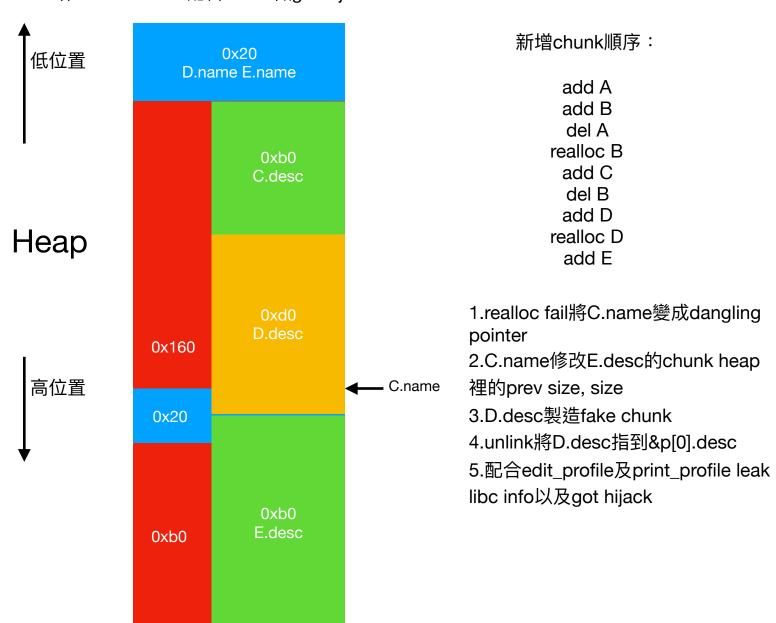
之後利用use after free print\_note\_content -> leak libc info

利用ret2text add\_note\_318 修改GOT \_\_stack\_chk\_fail -> ret gadget got -> system 注意不要修改到read的got

FLAG{DEATHNOTE!!!!}

## profile\_manager

這題要利用realloc去產生dangling pointer,然後利用use after free去製作fake chunk,配合unlink做got hijack



FLAG{I\_HAVE\_N0\_1DEA}