+ ebp+0xc + ebp+0x8 + ebp+0x4 Q4) belone 0×15 Calling OxC net ONIS old ebple ebp OXC + 7.05P + ebp-0x4jesp+OxC 0×15 4 - cbp-0x2, esp+0x2 OXC - ebp-oxc, esp+0x4 - ebp-oxio, esp (10) push obp to function stack <+18> imp 0x50c caseemblycode <+1> mov ebp, esp 1 # jump to instruction at # making esp point to ebp - address ex soc i.e ar ossembly code +31 - cbp+oxc <+20> add DWORD PTR DXC <-- cbp + 0x4 [ebp-0×4], 0×1 net old ebp + ebp # *(ebp-0x4) += 1 2+24> add DWORD PTR く+多> sub esp, 0x10 # esp=esp-0x10 [ebp- 0x8], oxaf + ebp+oxc 0×15 ebp+0x8 OxC # *(ebp - 0x8)+= 175 - ebp+0x4 net old cbp + ebp <+31> cmp DWORD PTR - ebp-0x4, esptoxc [ebp-0x8], 0xa3d3 - epp-ox8 , esp +ox8 -ebp-oxc , esp+ox4 <+38 > ile 0x501 Zassemblyade esp, ebp+0x10 # if *(ebp-0x8) <= 41939 go to instaudion 2+6> mov eax, DWORD PTR [ebp+0x] # on address # eax = oxis assembly code + 20 mov DWORD PTR [ebp-0x4], east # "(ebp-0x4) = eax = 0x15 The above 5 lines 1+12> mov eax, DWORD PTR [ebp+0x8] aure similar to: # eax = *(ebp+0x8) = 0xc while (*(cbp-0x8) <= 41939)} <+15> mov OWORDPTR [ebp-0x8], ear *(ebp-0x4)+=1; # (ebp-0x2) = eax = 0xc *(ebp-0x8) += 175;

The loop will execute times. 240 times = 0x FO "(ebp-0x8) will become Ox C+(OxFO . Oxaf) = OxA41C od *(ebp-0x4) will become + .0x15 + (0xF0:0x1) = 0x 105 Stack before entering loop: - chp +oxc 0x15 OxC ← ebp +0x8 net ebp+0x4 old ebpl - cbp ebp-0x4, esptoxc 0x15 DXC. 1 - cbp-0x8, esp+0x8 - ebp - 0xC, esp+0x4 - ebp-ox10, esp Stack after exiting loop 0x15 Ox Cor net old ebp tebp. 0x105 ebp-ox4 Stack of Parient function mov eax, DWORD PTR [ebp-0x4] # cax = * (ebp-0x4) = 0x 105 leave <+43> # make asp and cop # as they were before # executing <+1> net # <+44> Return.

5	(a)
	the given executable "qs.out" shows up in the disrectory and also on sunning the command "Is" in terminal. But on trying to execute it
	in the disrectory and also on sunning
	the command "Is" in terminal.
	· But on taying to execute it by orunning
	"./26.out" bash throws the enroy
	But on tanying to execute it by auroning "./25.out" bash throws the errors "No such file on directory"
	The problem here is the given executable is a DYN (shorted object file), but the interpreter was not correct one.
THE STATE OF THE STATE OF	is a DYN (shaped object file)
	but the interpretor use not
	cognect one.
- Table 1 - 10 - 20 - 20 - 20 - 20 - 20 - 20 -	
	(b)
	· the type of the ELF file
Section 1990	DYN (shorted object file)
	· Machine - Advanced Micoro Devices (x86-64)
	· Doda: 2's complement, Little endian