

Simply open a terminal, then type radare2 dump.exe,
then type v, then find the address of the main function.

```

;-- main:
0x100401080      55                mov     rbp, rsp
0x100401081      4889e5            sub     rsp, 0x20
0x100401084      4883ec20          call    sym.__main ;[1]
0x100401088      e833000000       lea     rcx, str.Hello_world ; sec
0x10040108d      488d0d6c1f00     ; 0x10040
                                ;[2]
0x100401094      e837000000       call    sym.puts
0x100401099      b800000000       mov     eax, 0
0x10040109e      4883c420          add     rsp, 0x20
0x1004010a2      5d                pop     rbp
0x1004010a3      c3                ret
0x1004010a4      90                nop
0x1004010a5      90
```

And now we can see what the program does, loads the base pointer with the value of stack pointer, then subtract the value of the stack point with 32 (because of the return value), then calls the function main, and the loads the effective address of the Hello World string, then calls the function puts, then returns 0 and add up the 32 to the stack pointer.