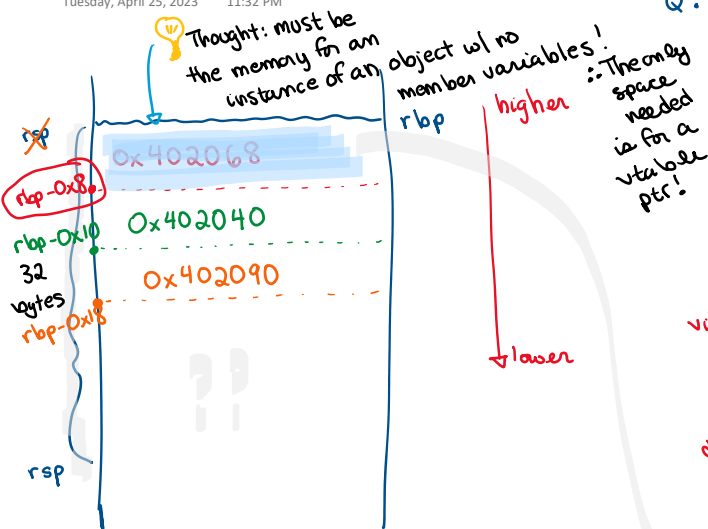


# VTables For Squirrels

Tuesday, April 25, 2023 11:32 PM



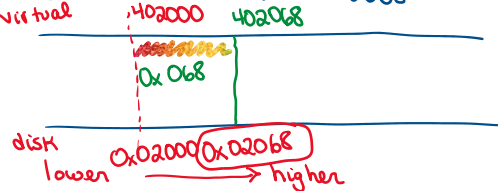
Q: what does 0x402068 point to?

① Find out the section!

ⓐ Use the readelf output!

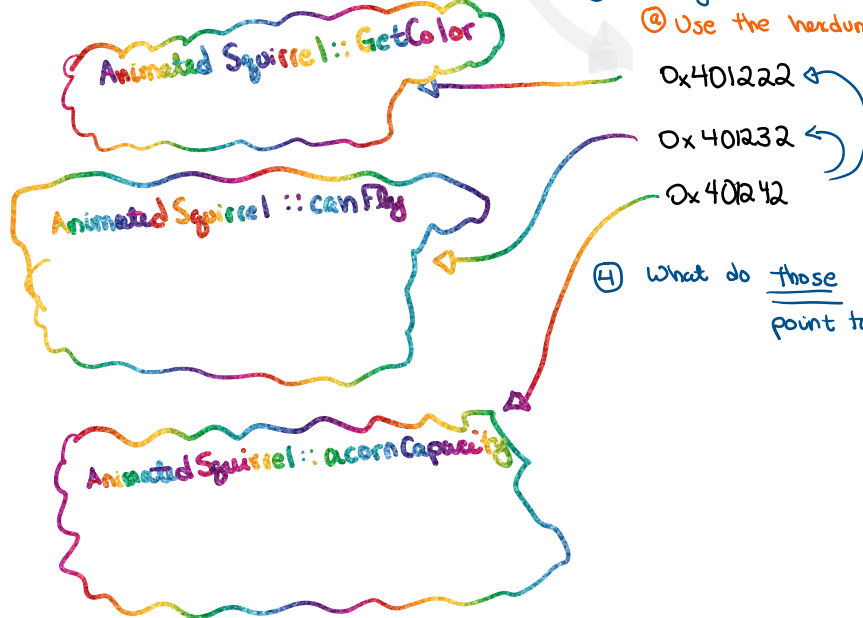
Fact: section .rodata starts @ 402000 ✓ ends @ 0x402122

② Where on disk is 0x402068?



③ Investigate data @ 0x02068 \*on disk\*

ⓐ Use the hexdump!



401179: 48 8d 45 f8  
 40117d: 48 89 c7  
 401180: e8 9d 00 00 00

lea rax,[rbp-0x8] → rax = address rbp-0x8  
 mov rdi,rax → moves rax to rdi  
 call 401222 <\_ZNK16AnimatedSquirrel18getColorEv>

!e a ptr to something we think is a instance of an object!

When we make a function call, rdi is arg. 0! (on Unix-like platforms)