

1. The code did not properly save the instance of a variable. It crashed because it tried to access and terminate the same address more than once?
2. Well I used gdb and made breakpoints near the hit method execute \_command and then went into the simple\_execute\_cmd and found the FREE being used on "the\_printed\_variable" I then used vim to locate every instance of that variable and noticed that it was used around 7 times and in some of the other spots the savestring method was called so I put that in and BAM magic. Vim was for sure the most useful comparing the different instances of the variable turned out to be a pretty good idea.
3. I would assume when the savestring method is called it saves an instance in some other address so when FREE is called it frees up the correct address space., I would say I am about 90% confident in my solution, I don't see much else that's different.