

NAME:

ALPHA:

SY485J: Lab 7: Can you make yourself rich?

Go to <http://courses.cyber.usna.edu/~debels/SY485J/Code/Lab7>. Copy the atm executable. Run it and answer the following questions using objdump, ghidra, gdb or the tool of your choosing.

1. (20 points) What is the secret PIN?
2. (20 points) Modify the PIN as the program is executing and get your program to accept it. Write down how you did it.
3. (20 points) Modify the balance as the program is executing and get your program to print out a balance of \$10,000. Write down how you did it.
4. (20 points) Modify the withdraw portion of the program to instead add the amount the user specifies to withdraw from their account. Write down how you did it.
5. (20 points) Complete the above (2-4) modifications and make "permanent" changes to the executable and turn in the resulting executable.

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