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Lab Assignment #8

Due: 03/08/19

CODE:

print("Enter the number of tickets for each class of seats that you wish to purchase.")

#Get user input on the number of seats purchased for each Class

Class\_A = int(input("Class A: "))

Class\_B = int(input("Class B: "))

Class\_C = int(input("Class C: "))

##Declare and initiate variables for each Class' income

Class\_A\_income = 0

Class\_B\_income = 0

Class\_C\_income = 0

#Define a main function for the program

def main():

#Define function to collect data for Class A

def ClassA(Class\_A):

#Display the # of seats purchased for Class A

print("Class A seats purchased: ", Class\_A)

#Calculate the income generated for Class A

Class\_A\_income = Class\_A \* 50

#Display the income generated for Class A

print("Class A income generated: $" , Class\_A\_income)

#Define function to collect data for Class B

def ClassB(Class\_B):

#Display the # of seats purchased for Class B

print("Class B seats purchased: ", Class\_B)

#Calculate the income generated for Class B

Class\_B\_income = Class\_B \* 25

#Display the income generated for Class A

print("Class B income generated: $" , Class\_B\_income)

#Define function to collect data for Class C

def ClassC(Class\_C):

#Display the # of seats purchased for Class C

print("Class C seats purchased: ", Class\_C)

#Calculate the income generated for Class C

Class\_C\_income = Class\_C \* 10

#Display the income generated for Class A

print("Class C income generated: $" , Class\_C\_income)

#Calculate the total overall income generated

total\_income = Class\_A\_income + Class\_B\_income + Class\_C\_income

#Display the total income generated

print("Total income generated from all seats purchased: $" , total\_income)

#Call the functions for the three classes

ClassA(Class\_A)

ClassB(Class\_B)

ClassC(Class\_C)

#Call the main function

main()

OUTPUT:

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

========= RESTART: C:/Users/Nabiha/Documents/CECS 174/Labs/Lab 9.py =========

Enter the number of tickets for each class of seats that you wish to purchase.

Class A: 200

Class B: 300

Class C: 400

Class A seats purchased: 200

Class A income generated: $ 10000

Class B seats purchased: 300

Class B income generated: $ 7500

Class C seats purchased: 400

Class C income generated: $ 4000

Total income generated from all seats purchased: $ 4000

>>>

========= RESTART: C:/Users/Nabiha/Documents/CECS 174/Labs/Lab 9.py =========

Enter the number of tickets for each class of seats that you wish to purchase.

Class A: 673

Class B: 4342

Class C: 725241

Class A seats purchased: 673

Class A income generated: $ 33650

Class B seats purchased: 4342

Class B income generated: $ 108550

Class C seats purchased: 725241

Class C income generated: $ 7252410

Total income generated from all seats purchased: $ 7252410