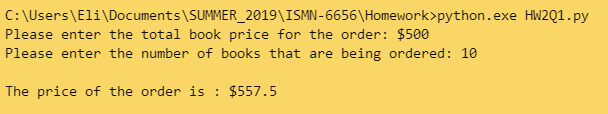
CENSORED

Assignment: HW2

Date: 6/30/19

1. # P2.32

# integer inputs  
totalBookPrice = int(input("Please enter the total book price for the order: $"))  
numberOfBooks = int(input("Please enter the number of books that are being ordered: "))  
   
# value for upcoming while loop  
value = 0  
   
# dummy value for shippingCharge variable  
shippingCharge = 0  
   
# assign tax value for total book price  
tax = 0.075 \* totalBookPrice  
   
# increments shipping charge by 2 for every book  
while (value < numberOfBooks):  
 shippingCharge += 2  
 value += 1  
   
# variable for price of the order  
orderPrice = str(round(totalBookPrice + tax + shippingCharge, 2))  
   
# print total price  
print("\nThe price of the order is : $" + orderPrice)



1. # Question 3, HW2  
   # The item prices are extreme for the given items, but it is assumed they are bought in bulk  
     
   # item definitions  
   item1 = "Noodles"  
   item2 = "Juice"  
   item3 = "Soda"  
   item4 = "Chocolate"  
   item5 = "Chips"  
     
   # item prices (in the same order as the above definitions)  
   price1 = float(300)  
   price2 = float(500)  
   price3 = float(600)  
   price4 = float(400)  
   price5 = float(200)  
     
   # assign value to subtotal variable  
   subtotal = float(price1 + price2 + price3 + price4 + price5)  
     
   # assign value to salesTax variable  
   salesTax = 0.07 \* subtotal  
     
   # assign value to total variable  
   total = subtotal + salesTax  
     
   # dummy value for amount customer pays  
   customerPaid = 0  
     
   # executes until customer pays amount >= total  
   while (customerPaid < total):  
    print("The total is: $" + str(total))  
    customerPaid = float(input("Please input the amount to pay: $"))  
    if (customerPaid < total):  
    print("Please input a number larger than the total price!\n")  
      
   # assign change value  
   change = customerPaid - total  
     
   # print receipt header  
   print("\n\nSAMPLE RECEIPT\n5 ITEMS PURCHASED\n")  
     
   # print items and prices  
   print("%-10s %50s" % (item1, "$" + str(price1)))  
   print("%-10s %50s" % (item2, "$" + str(price2)))  
   print("%-10s %50s" % (item3, "$" + str(price3)))  
   print("%-10s %50s" % (item4, "$" + str(price4)))  
   print("%-10s %50s\n" % (item5, "$" + str(price5)))  
     
   # print subtotal, tax, and total  
   print("%-10s %50s" % ("Subtotal", "$" + str(subtotal)))  
   print("%-10s %50s" % ("Tax - 7%", "$" + str(salesTax)))  
   print("%-10s %50s\n" % ("Total", "$" + str(total)))  
     
   # print amount customer paid and change to customer, if any  
   print("%61s" % ("Customer Paid $" + str(customerPaid)))  
   print("%61s\n\n\n" % ("Change to customer, if any $" + str(change)))

