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Homework 5 Program Code
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             Average Sale Calculator
#Programmer:
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#Date:
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             This program will input a salesperson's name followed by the
#Abstract:
             first sale amount and then the number of sales as indicated
             below for a used car dealership. the program will then display
             the salesperson's average, highest, and lowest sale.
#-----
#Define the main function
def main():
   # create a variable to control the loop
   keep_going = 'y'
   # create a counter for salespersons
   number_of_salespersons = 0
   # process each salesperson's sales
   while keep_going == 'y' or keep_going == 'Y':
       # use a function to process each salesperson
       process_salesperson()
       number_of_salespersons += 1
       # are there more salespersons?
       keep_going = input('Are there more salespersons? (enter y for yes): ')
   # display the total number of salespersons
   print ('There were', number_of_salespersons, 'salespersons processed.')
# process each salesperson's sale
def process salesperson():
   # get the salesperson's name
   name = input("What is the salesperson's name? ")
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print ('Enter', name + "'s amount for first sale: "),
first_sale = float(input())
# validate the sale is > 0 and < 25000
while first_sale < 0 or first_sale > 25000:
    print ("ERROR: the sale cannot be less than 0 or greater than 25000.")
    first_sale = float(input("Please enter a correct sale amount: "))
# intialize total, lowest, and highest sale to first sale
total_sales = first_sale
lowest_sale = first_sale
highest_sale = first_sale
# get the number of sales for this salesperson
print ('How many sales does', name, 'have?')
number_of_sales = int(input())
for number in range(2, number_of_sales + 1):
    # get the sale amount
    print ('Enter', name + "'s sale #" + str(number) + ':'),
    sale = float(input())
    # validate the sale is > 0 and < 25000
   while sale < 0 or sale > 25000:
        print ('ERROR: the sale cannot be less than 0 or greater than \
        sale = float(input("Please enter a correct sale amount: "))
    # accumulate the sales
   total_sales += sale
    # check for highest sale
    if sale > highest_sale:
       highest_sale = sale
    # check for lowest sale
    elif sale < lowest_sale:</pre>
        lowest_sale = sale
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