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| **Program 01** |
| **Output** |
| >>>  ======= RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_09/part1.py =======  Wallet Contents:  creaditCards :  Visa  Discovery  MasterCard  IDs :  Drivers License  Student ID  Total case is: $54  After changes, wallet Contents are:  creaditCards :  Visa  MasterCard  IDs :  Drivers License  Student ID  coupons :  Kohls shirt  Target toothpaste  Cub meat  Total case is: $114  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 08, Problem 01  # biniam Lemma  # This program defines a dictionary wallet that contains  # a dictionary money, a list creaditCards, a list Id  # and a dictionary coupon.  def main():    wallet = { 'money': { 20: 2, 10: 1, 5: 0, 1: 4},  'creaditCards':[ 'Visa', 'Discovery', 'MasterCard'],  'IDs':['Drivers License', 'Student ID' ]}  # For loop to add the total amount of the money  total = 0  for i in wallet['money']:  total+= i \* wallet['money'][i]    # Display the wallet container  print("Wallet Contents:")  print()  for i in wallet:  if i is 'money':  continue  print(i, ':')  for x in wallet[i]:  print(x)  print()  # Display the total amount of money  print('Total case is: ${}'.format(total))  print()  wallet['coupons'] = {'Cub': "meat", 'Kohls': 'shirt', 'Target': 'toothpaste'}  wallet['money'][20] += 3  del wallet['creaditCards'][1]  # For loop to add the total amount of the money  total = 0  for i in wallet['money']:  total+= i \* wallet['money'][i]  # Display the wallet container  print("After changes, wallet Contents are:")  print()  for i in wallet:  if i is 'money':  continue  print(i, ':')  if i is 'coupons':  for x in wallet[i]:  print(x, '\t', wallet[i][x])  print()  continue  for x in wallet[i]:  print(x)  print()  # Display the total amount of money  print('Total case is: ${}'.format(total))  if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 02** |
| **Output** |
| >>>  ======= RESTART: /Users/biniamlemma/Desktop/CSCI\_2061/Assn\_09/part2.py =======  Item Price Quantity Value  carrots $ 3 15 $ 45  onion $ 1.5 32 $ 48.0  lettuce $ 2 0 $ 0  potato $ 4 6 $ 24  Your shopping bill is:  onion at $ 1.5 each - total $1.5  lettuce - out of stock.  potato at $ 4 each - total $8  The total bill is $ 9.5  >>> |
| **Source Code** |
| # CSCI 2061, Assignment 09, Problem 02  # biniam Lemma  # This program display the containt of the containers  # and calculate the shopping bill as well as display  # out of stock items  def main():  y=0  #containers  shoppingList = { 'lettuce': 5, 'potato': 2, 'onion': 1}  inventory = {'potato': 6, 'lettuce': 0, 'onion': 32, 'carrots': 15}  prices = {'potato': 4, 'lettuce': 2, 'onion': 1.5, 'carrots': 3}  #call printInventory function that displays the itms  print('Item\t\t', 'Price\t\t', 'Quantity\t', 'Value')  for i in inventory:  printInventory(i, inventory[i], prices[i])  #diplay the shpping bill as well as out of stock item  print()  print('Your shopping bill is:')  print()  for x in shoppingList:  y += computeBill(x, shoppingList[x], inventory[x], prices[x])  print()  print('The total bill is $', y)  #printInventory function to display the items  def printInventory(x, inv, pr):  print(x, ' \t$', pr, '\t\t', inv, '\t\t$', (pr \* inv))  #computeBill function to display the shopping bill  def computeBill(x, shop, inv, pr):  total = 0  if inv is 0:  print(x, "\t\t- out of stock.")  else:  total = shop\*pr  print(x, 'at $', pr, 'each\t- total ${}'.format(total))  return total  if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 03** |
| **Output** |
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| **Source Code** |
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| **Program 04** |
| **Output** |
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| **Source Code** |
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| **Program 05** |
| **Output** |
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| **Source Code** |
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