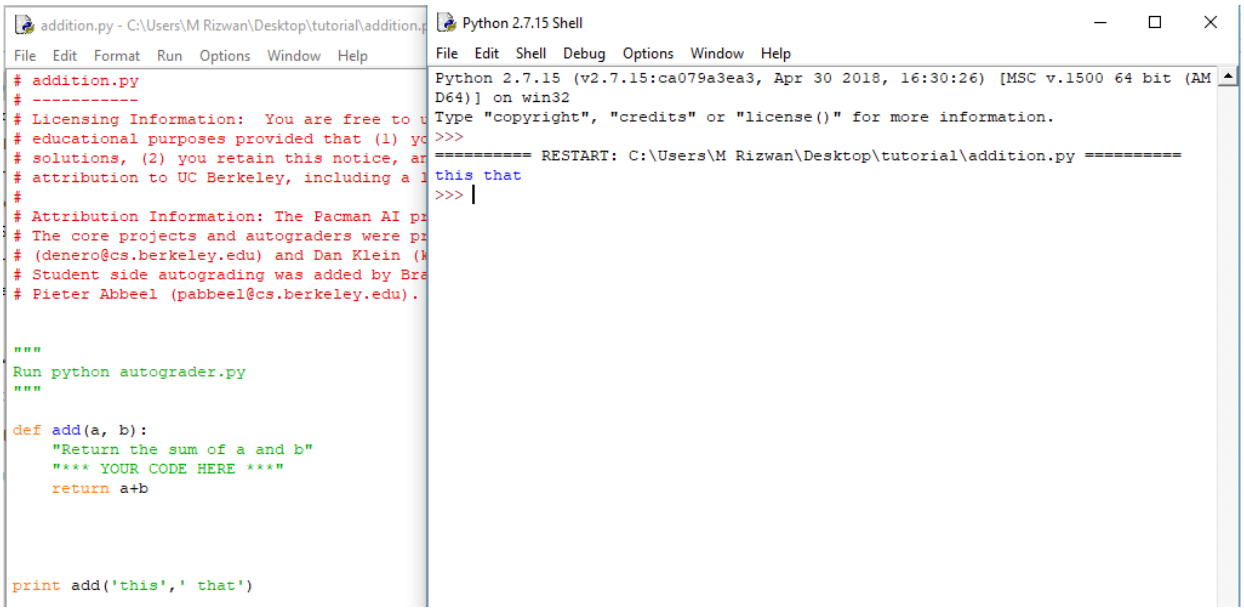
Muhammad Rizwan Khalid

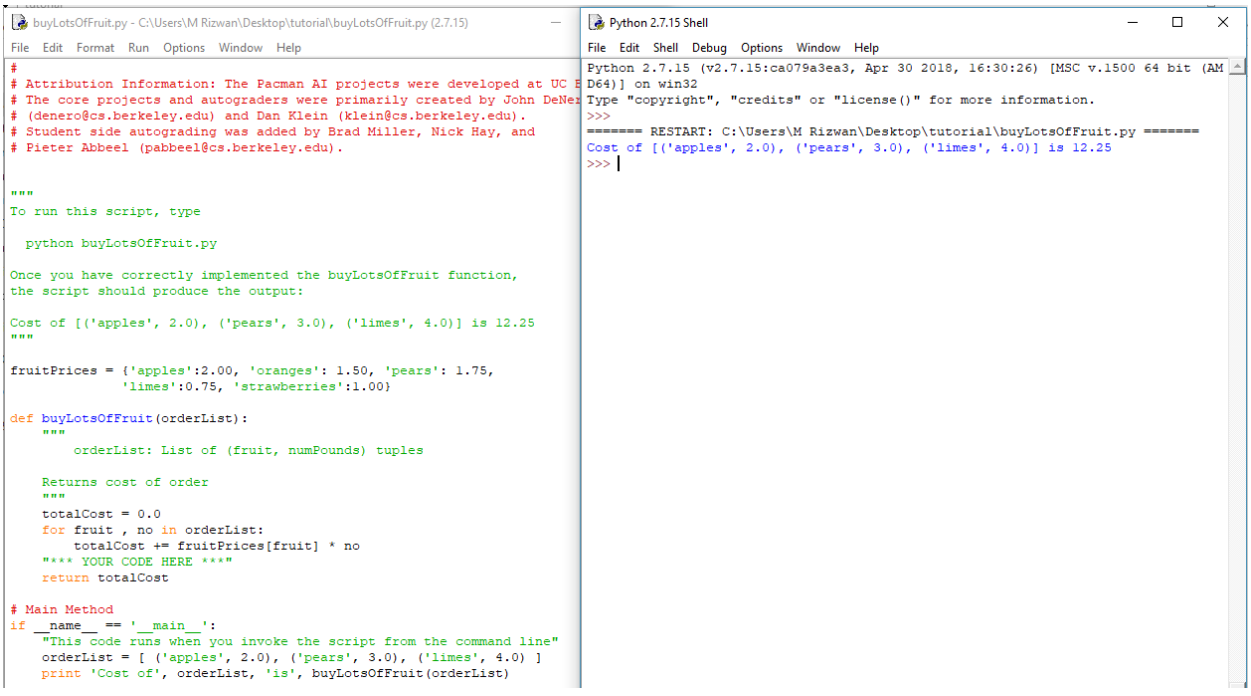
BSCS – 6A

180459

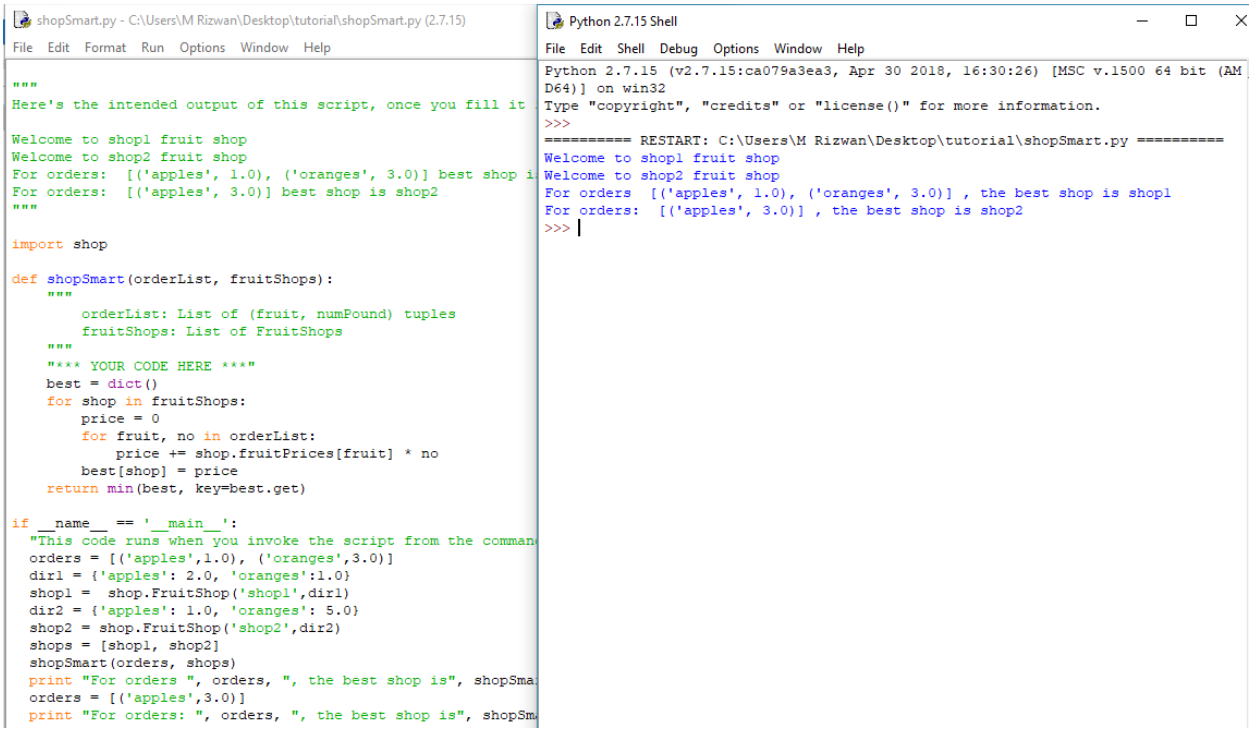
Task: 01:



Task: 02:



Task: 3:



shopSmart.py - C:\Users\M Rizwan\Desktop\tutorial\shopSmart.py (2.7.15)

File Edit Format Run Options Window Help

```
"""
Here's the intended output of this script, once you fill it

Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
For orders:  [('apples', 1.0), ('oranges', 3.0)] best shop i
For orders:  [('apples', 3.0)] best shop is shop2
"""

import shop

def shopSmart(orderList, fruitShops):
    """
        orderList: List of (fruit, numPound) tuples
        fruitShops: List of FruitShops
    """
    "*** YOUR CODE HERE ***"
    best = dict()
    for shop in fruitShops:
        price = 0
        for fruit, no in orderList:
            price += shop.fruitPrices[fruit] * no
        best[shop] = price
    return min(best, key=best.get)

if __name__ == '__main__':
  "This code runs when you invoke the script from the comman
  orders = [('apples',1.0), ('oranges',3.0)]
  dir1 = {'apples': 2.0, 'oranges':1.0}
  shop1 =  shop.FruitShop('shop1',dir1)
  dir2 = {'apples': 1.0, 'oranges': 5.0}
  shop2 = shop.FruitShop('shop2',dir2)
  shops = [shop1, shop2]
  shopSmart(orders, shops)
  print "For orders ", orders, ", the best shop is", shopSma
  orders = [('apples',3.0)]
  print "For orders: ", orders, ", the best shop is", shopSm
```

Python 2.7.15 Shell

File Edit Shell Debug Options Window Help

```
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\M Rizwan\Desktop\tutorial\shopSmart.py ==========
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
For orders  [('apples', 1.0), ('oranges', 3.0)] , the best shop is shop1
For orders:  [('apples', 3.0)] , the best shop is shop2
>>>
```