

通过截图：

```
PS D:\Grade II\Artificial Intelligence\作业_源程序\tutorial> python -u "d:\Grade II\Artificial Intelligence\作业_源程序\tutorial\autograder.py:18: DeprecationWarning:
import imp
Starting on 3-15 at 23:45:58
```

Finished at 23:45:58

Provisional grades

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Question q1: 1/1

Question q2: 1/1

Question q3: 1/1

Total: 3/3

源代码如下：

//addition.py

```
def add(a, b):
    "Return the sum of a and b"
    """ YOUR CODE HERE """
    # print("Passed a = %s and b = %s, returning a + b = %s"(a, b, a +
b))
    return a+b
```

//buyLotsOfFruit.py

```
from __future__ import print_function

fruitPrices = {'apples': 2.00, 'oranges': 1.50, 'pears': 1.75,
               'limes': 0.75, 'strawberries': 1.00}

def buyLotsOfFruit(orderList):
    """
        orderList: List of (fruit, numPounds) tuples

        Returns cost of order
    """
    totalCost = 0.0
    """ YOUR CODE HERE """
    for fruit in orderList:
        if fruit[0] in fruitPrices:
            totalCost+=fruit[1]*fruitPrices[fruit[0]]
        else :
            return None
    return totalCost
```

```
# Main Method
if __name__ == '__main__':
    "This code runs when you invoke the script from the command line"
    orderList = [('apples', 2.0), ('pears', 3.0), ('limes', 4.0)]
    print('Cost of', orderList, 'is', buyLotsOfFruit(orderList))
```

//shopSmart.py

```
from __future__ import print_function
import shop

def shopSmart(orderList, fruitShops):
    """
        orderList: List of (fruit, numPound) tuples
        fruitShops: List of FruitShops
    """
    """ YOUR CODE HERE """
    totalCostInShopMin=65535
    bestShop=fruitShops[0]
    for shopId in fruitShops:
        totalCostInShopTemp=0
        for fruit in orderList:
            totalCostInShopTemp+=fruit[1]*shopId.fruitPrices[fruit[0]]
        if totalCostInShopMin>totalCostInShopTemp:
            bestShop=shopId
            totalCostInShopMin=totalCostInShopTemp
    return bestShop

if __name__ == '__main__':
    "This code runs when you invoke the script from the command line"
    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]
    print("For orders ", orders, ", the best shop is", shopSmart(orders,
shops).getName())
    orders = [('apples', 3.0)]
    print("For orders: ", orders, ", the best shop is",
shopSmart(orders, shops).getName())
```

