

Lab 1

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Task 1

```
def add(a, b):  
    "Return the sum of a and b"  
    "*** YOUR CODE HERE ***"  
    return a+b
```

Task 2

```
def buyLotsOfFruit(orderList):  
    """  
        orderList: List of (fruit, numPounds) tuples  
  
        Returns cost of order  
    """  
    totalCost = 0.0  
    "*** YOUR CODE HERE ***"  
    for fruit, numPounds in orderList:  
        if fruit not in fruitPrices:  
            return None  
        totalCost += fruitPrices[fruit] * numPounds  
    return totalCost
```

Task 3

```
def shopSmart(orderList, fruitShops):  
    """  
        orderList: List of (fruit, numPound) tuples  
        fruitShops: List of FruitShops  
    """  
    "*** YOUR CODE HERE ***"  
  
    bestPrice = float('inf')  
    bestShop = None  
    for shop in fruitShops:  
        price = shop.getPriceOfOrder(orderList)  
        if price < bestPrice:  
            bestPrice = price  
            bestShop = shop  
    return bestShop
```