```
# shopSmart.py
# ------------
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#
# Attribution Information: The Pacman AI projects were developed at UC Berkeley.
# The core projects and autograders were primarily created by John DeNero
# (denero@cs.berkeley.edu) and Dan Klein (klein@cs.berkeley.edu).
# Student side autograding was added by Brad Miller, Nick Hay, and
# Pieter Abbeel (pabbeel@cs.berkeley.edu).


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

Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
For orders:  [('apples', 1.0), ('oranges', 3.0)] best shop is shop1
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 ***"
    costs = [0] * len(fruitShops)
    for i in range(len(fruitShops)):
        costs[i] = fruitShops[i].getPriceOfOrder(orderList)
    return fruitShops[costs.index(min(costs))]

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()
```