

```
# buyLotsOfFruit.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).
```

"""

To run this script, type

```
python buyLotsOfFruit.py
```

Once you have correctly implemented the buyLotsOfFruit function,  
the script should produce the output:

```
Cost of [('apples', 2.0), ('pears', 3.0), ('limes', 4.0)] is 12.25
"""
```

```
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
```

```
    for item in orderList:
```

```
        if item[0] in fruitPrices:
```

```
            totalCost += fruitPrices.get(item[0]) * item[1]
```

```
        else:
```

```
            print("Error, the fruit is not in the list")
```

```
            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))
```