

Task1

实验报告 20214809 凌鹏

Question 1: Addition

解答：根据指引，我们对 **addition.py** 文件进行了修改，修改后在命令行中运行，并使用 **autograde.py** 进行评估，结果如图 1 所示。结果完全符合测试用例。

```
Question q1
=====
*** PASS: test_cases\q1\addition1.test
***     add(a,b) returns the sum of a and b
*** PASS: test_cases\q1\addition2.test
***     add(a,b) returns the sum of a and b
*** PASS: test_cases\q1\addition3.test
***     add(a,b) returns the sum of a and b
### Question q1: 1/1 ###

Finished at 10:22:24

Provisional grades
=====
Question q1: 1/1
-----
Total: 1/1

Your grades are NOT yet registered. To register your grades, make sure
to follow your instructor's guidelines to receive credit on your project.
```

图 1. Question1 测试结果

Question 2: buyLotsOfFruit function

解答：根据问题描述，我们对 **buyLotsOfFruit.py** 文件进行相应的修改，使用 **autograde.py** 对解答进行评估，评估结果如图 2 所示。结果完全符合测试用例。

```
Question q2
=====
*** PASS: test_cases\q2\food_price1.test
***     buyLotsOfFruit correctly computes the cost of the order
*** PASS: test_cases\q2\food_price2.test
***     buyLotsOfFruit correctly computes the cost of the order
*** PASS: test_cases\q2\food_price3.test
***     buyLotsOfFruit correctly computes the cost of the order
### Question q2: 1/1 ###

Finished at 10:26:01

Provisional grades
=====
Question q2: 1/1
-----
Total: 1/1

Your grades are NOT yet registered. To register your grades, make sure
to follow your instructor's guidelines to receive credit on your project.
```

图 2. Question2 测试结果

Question 3: shopSmart function

解答：根据问题描述，我们对 **shopSmart.py** 文件进行了对应的修改，并使用

autograde.py 程序进行结果评估，评估结果如图 3 所示。结果完全符合测试用例。

```
Question q3
=====
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
*** PASS: test_cases\q3\select_shop1.test
*** shopSmart(order, shops) selects the cheapest shop
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
*** PASS: test_cases\q3\select_shop2.test
*** shopSmart(order, shops) selects the cheapest shop
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
Welcome to shop3 fruit shop
*** PASS: test_cases\q3\select_shop3.test
*** shopSmart(order, shops) selects the cheapest shop

### Question q3: 1/1 ###

Finished at 10:35:09

Provisional grades
=====
Question q3: 1/1
-----
Total: 1/1

Your grades are NOT yet registered. To register your grades, make sure
to follow your instructor's guidelines to receive credit on your project.
```

图 3. Question3 测试结果

上述是对每个问题分别进行测试，我们对三个问题进行同时测试，测试结果如图 4 所示

(结果如分别测试必然是一致的)

```
Question q1
=====
*** PASS: test_cases\q1\addition1.test
*** add(a,b) returns the sum of a and b
*** PASS: test_cases\q1\addition2.test
*** add(a,b) returns the sum of a and b
*** PASS: test_cases\q1\addition3.test
*** add(a,b) returns the sum of a and b

### Question q1: 1/1 ###

Question q2
=====
*** PASS: test_cases\q2\food_price1.test
*** buyLotsOfFruit correctly computes the cost of the order
*** PASS: test_cases\q2\food_price2.test
*** buyLotsOfFruit correctly computes the cost of the order
*** PASS: test_cases\q2\food_price3.test
*** buyLotsOfFruit correctly computes the cost of the order

### Question q2: 1/1 ###

Question q3
=====
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
*** PASS: test_cases\q3\select_shop1.test
*** shopSmart(order, shops) selects the cheapest shop
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
*** PASS: test_cases\q3\select_shop2.test
*** shopSmart(order, shops) selects the cheapest shop
Welcome to shop1 fruit shop
Welcome to shop2 fruit shop
Welcome to shop3 fruit shop
*** PASS: test_cases\q3\select_shop3.test
*** shopSmart(order, shops) selects the cheapest shop

### Question q3: 1/1 ###

Finished at 10:38:51

Provisional grades
=====
Question q1: 1/1
Question q2: 1/1
Question q3: 1/1
-----
Total: 3/3

Your grades are NOT yet registered. To register your grades, make sure
to follow your instructor's guidelines to receive credit on your project.
```

图 4. 整体测试结果