Junior Knights Python Program: Grocery Store

In this program you keep track of the inventory of a grocery store, as well as the total revenue of the store.

Your program will be a menu driven program. In the beginning of the program you'll start with a store without any inventory. You'll prompt the user with the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit

For #1, ask the user to enter the name of the item and how many are being added to the inventory. If the item ISN'T in the store at all (not in the dictionary that maps items to quantities), then ask the user for the price at which the item is sold (which should be stored in a separate dictionary.)

For #2, ask the user to enter which item they want to buy and how many of it. If there are enough of this item, then process the sale, printing out that it was successful and the total the user must pay. If it's not successful (since there isn't enough inventory in stock), print out an error message that the sale could not be completed.

For #3, ask the user to enter the item for which to change the price. If the item isn't in the price dictionary, then print out an error message. Otherwise, ask the user to enter the new price and update it.

For #4, ask the user to enter an item. If it's in the inventory, print out how many there are left. If not, print an error message stating the item isn't in the inventory.

For #5, ask the user to enter an item. If it's in the inventory, print out how much it costs. If not, print an error message stating the item isn't in the inventory.

For #6, just print out the total revenue of all the sales.

For this assignment in order for two items to be considered the same, they must be the exact same, including capitalization. Thus, "Soap" and "soap" will be considered as different items. You are guaranteed that all input names will consist of letters only.

If you finish this assignment early, feel free to add extra features to it!

```
Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
```
1
```
What item would you like to add?
```
bread
```
How many of this item would you like to add?
```
20
```
This is a new item. What is its sale price in dollars?
```
3.49
```

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
```
1
```
What item would you like to add?
```
jelly
```
How many of this item would you like to add?
```
10
```
This is a new item. What is its sale price in dollars?
```
5.99
```

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
```
2
```
What item would you like to buy?
```
bread

How many of this item would you like to buy?
4
Your purchase costs $13.96.
There are 16 more this item in stock.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
2
What item would you like to buy?
peanutbutter
Sorry, this item is not in the inventory.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
2
What item would you like to buy?
jelly
How many of this item would you like to buy?
11
Sorry, we don't have 11 of this item in inventory. No sale.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
3
Which item's price do you want to change?
jelly

```
What do you want to change the price to?
4.99

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
3
Which item's price do you want to change?
jam
Sorry, that item is not in the inventory. No price upated.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
4
Which item is your inventory query for?
bread
There are 16 of this item left in the inventory.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
4
Which item is your inventory query for?
mandms
Sorry, this item is not in the inventory.

Please make a selection from the following choices:
```

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
5
Which item do you want the price for?
jelly
The cost of this item is $4.99.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
5
Which item do you want the price for?
chicken
Sorry, this item is not in the inventory.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
1
What item would you like to add?
jelly
How many of this item would you like to add?
15
Inventory added. Now there are 25 of this item.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.

4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
2
What item would you like to buy?
jelly
How many of this item would you like to buy?
11
Your purchase costs $54.89
There are 14 more this item in stock.

Please make a selection from the following choices:

1) Add an item to the inventory.
2) Buy an item from the inventory.
3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
6

The total revenue of the store is $68.85.

Please make a selection from the following choices:

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3) Change the price of an item in the inventory.
4) Print out the number of an item in the inventory.
5) Print out the cost of an item in the inventory.
6) Print out the total revenue of the store.
7) Quit
7

Thanks for using the phone directory app. Goodbye!