2 The task is to write a supermarket inventory menu that stores all the items information in a NoSQL database.

Task 2.1

Write code to do the following:

- create a mongo client to local host with port 27017
- create a database named "`supermarket`" and one collection named "`items`"
- read the file "`supermarket_items.txt`" and insert its information into the NoSQL database "`supermarket`" in the collection "`items`"
- the first line in the file "`supermarket_items.txt`" indicates the names of each field in the document, separated by a comma

[10]

Task 2.2

Write a menu that provides the following options. Data validation must be done for option 3. [10]

```
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
```

Test your program with the following test data. Inputs are shown in **bold**.

```
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
Choose an option:1
Type an item name:Bananas
Bananas each cost $1.5.
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
Choose an option:2
Type an item type:Fruits
1 Apples
2 Bananas
3 Berries
4 Grapes
5 Lemons
6 Lime
7 Melons
```

```
8 Nectarines
9 Oranges
10 Peaches
11 Pears
12 Plums
13 Strawberries
14 Watermelon
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
Choose an option:3
Type an item name you want to update price:Bananas
Type a new update price:9.2
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
Choose an option:1
Type an item name:Bananas
Bananas each cost $9.2.
Choose an option:
1. Find cost by item name.
2. Find items by type.
3. Update cost by item name.
4. Quit
Choose an option:4
Program quitted.
```