

- 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.