Data Structures

Dictionary

Dictionary

1. Unordered
2. Changeable
3. Indexed
4. NO duplicates

Key-Value pairs

Syntax:

```
ShoppingCart = {
        “apple”: 2,
        “pear”: 5,
        “orange”: 1
}
```

Demo

- Dictionaries

In-class assignment 6

1. Create a program that will add or append anything in the actorList into the actorDict using the same format as given. Should work for any number of items in the actorList (Use the example data in demos)
2. Create a function that will ask the user the type of inventory (fruit or vegetable). After which, ask the user for which item to increase or decrease (apple/pear/orange). Do the addition/subtraction and update the inventory. (Use the example data in demos)

Assignment 6

1. Create a program that will update a store inventory.
    a. Create a function that will add a new category into the inventory. Create a function that will delete a category from inventory. Create a function that will add a new item into a category. Create a function that will delete an item from inventory. Create a function that will change the count of an item (e.g. apple/pear).
    b. Create a function that will print the inventory
    c. Use the given dictionary
    d. Use a main -function
    e. The program should continue until the user types in “Exit” or “0” (zero)
    f. The program should give the user the following menu:

```
Program to change inventory: Type in corresponding number
1. Add category
2. Delete category
3. Add item
4. Delete item
5. Change item
6. Print inventory
0. Exit
```