Advanced Python Lab 2.

### Objective:

Gain an understanding of how to write object oriented programs with Python.

### Exercise:

Using the class diagram from Lab 1, write an application that will handle customer orders and keep track of products from the Acme Chocolate Company. A PyUnit test suite will be provided for you to test your application against. Additionally skeleton python code is available to you to start the process.

Write your code so that all of the unit tests provided in the test suite pass.

You should implement at least the following classes and methods.

**Customer**

addCustomer() -- Add a new customer

getCustomer() -- Retrieve information about a customer

modifyCustomer() -- Modify existing customer information

**Order**

Order objects should contain information about an order such as:

1. Who the customer is

2. The date of the order

3. A list of the orders via the order details object

4. The total amount of the order.

5. The total weight of the order.

addOrder() -- Add a new customer order

getOrder() -- Retrieve order and order detail information

modifyOrder() -- modify an existing order

**Order Details**

Order details should contain order detail information, such as:

1. An itemized lists of products and quantities.

2. The shipper for this order detail.

A set of sample data will be provided for Customers and orders. Note that the orders will be in the format <Product> <Weight in kg>,<Product> <Weight in kg>, etc.