Adthena Python Analyst Coding Exercise

Write a program driven by unit tests that can price a basket of products taking into account some special offers. The program should demonstrate your knowledge of clean extendible code.

- Please use Python > 3.8
- Please include a readme.md file with instructions on how to set up and run your code
- Please include any comments about your code, decisions made that you feel may be relevant
- Please submit your code via a GitHub repo
- **Please do not use the word "adthena"** in your GitHub repo name

Coding Exercise:

Products that can be purchased, together with their prices are:

- Soup – 65p per tin.
- Bread – 80p per loaf.
- Milk – £1.30 per bottle.
- Apples – £1.00 per bag.

Current special offers are as follows:

- Apples have a 10% discount off their normal price this week.
- Buy 2 tins of soup and get a loaf of bread for half price.

Please write a program that accepts a list of products into a shopping basket and then outputs the subtotal, as well as the special offer discounts and the final price.

Input should be via the command line in the form: **PriceBasket product1 product2 product3**

For example: **PriceBasket Apples Milk Bread**

Output should be to the console, for example:

Subtotal: £3.10

Apples 10% off: 10p

Total: £3.00

If no special offers are applicable the code should output:

Subtotal: £1.30 (No offers available)

Total price: £1.30