

# Checkout Kata

Implement the code for a supermarket checkout that calculates the total price of several items.

In a normal supermarket, items are identified by 'stock keeping units' or 'SKUs'. In our store, we will use individual letters of the alphabet, A, B, C etc, as the SKUs. Our goods are priced individually. In addition, some items have promotions of any of the following types:

- Multipriced: buy n of them and which will cost you y. For example, item A might cost 50 pence individually but this week we have a special offer where you can buy 3 As for £1.30.
- Buy n get 1 free
- Meal deal: buy different items together and get a special price. For instance, items D and E might cost 150 and 200 pence each individually but this week we have a special offer where you can buy one of each for just £3.

This week's prices are the following:

Item	Unit Price (in pence)	Special Price
A	50	
B	75	2 for £1.25
C	25	Buy 3, get one free
D	150	Buy D and E for £3
E	200	Buy D and E for £3

Our checkout accepts items in any order so if we scan a B, then an A, then another B, we will recognise the two B's and apply the special promotion of 2 for £1.25.

Extra points: Because the pricing changes frequently, we will need to be able to pass in a set of pricing rules each time we start handling a checkout transaction.

Please implement the solution using Java/Kotlin or PHP.

No need to worry too much about a UI, REST API or reading the data from files.

**Submission** - Our preference is that you develop it locally, keeping the history in Git, committing the code as you make incremental progress and then email the project in a zip file or similar. Provide a small README file so we know how to run the project.