Problem 02
MY MONEY MY SHARES

Solution:

To approach this problem we will use backtracking.
Where we can first calculate the proportion of money on the basis of that proportion , we will use back tracking to distribute the apples among them.

The total weight of apples will be divided into three target weights:

Ram's target is 50%
Sham's target is 30%
Rahim's target is 20%.

Before attempting to distribute the apples, the program checks if the total weight can be exactly divided into the specified proportions using the canDistribute() method.

> The main distribution logic is implemented using a recursive backtracking approach in the allocateApples() method.

> The method attempts to allocate each apple to Ram, Sham, or Rahim, ensuring that the target weights are achieved.

Code file of this problem is attached in folder named with:

MyMoneyMyShares.java