# Problem 4: Grocery Assistance/ Calculator

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## IPO CHART:

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| --- | --- | --- |
| **INPUT** | **PROCESS** | **OUTPUT** |
| Input the price of every item ,  the quantity of every item, the  money mr bhool have with him | For total price multiply each item  quantity by its price and them add  all the results.  For the change we can subtract the  Price which mr bhoola have with the  Total price. If its negative then mr bhoola  Don’t have enough money else it’s the  change | Print the quantity and price of every item mr bhool purchased  Also print the total , and weather  mr bhoola can purchase it or not , if yes then print the change |

## PSEUDOCODE:

1. Declare money , onprice , apprice , grprice , tamprice , onquant, apquant , grquant , tamquant , total , change;
2. Input money , onprice , apprice , grprice , tamprice , onquant, apquant , grquant , tamquant;
3. Total = (onquant\*onprice) +( apquant\*apprice) + (grquant\*grprice) + (tamquant\*tamprice);
4. Change= money-total;
5. Print money , onprice , apprice , grprice , tamprice , onquant, apquant , grquant , tamquant , total , change;

## A diagram of a change Description automatically generatedFLOW CHART: