

# Assignment: Total amount of money to buy fruits

Assume you need to buy X1 kg apples, Y1 kg oranges, and Z1 kg grapes. Your friend wants to buy X2 kg apples, Y2 kg oranges, and Z2 kg grapes.

The costs are: apples @R1 rupees per kg, oranges @R2 rupees per kg, grapes @R3 rupees per kg.

Now, the total amount of money you both need to carry can be calculated using multiplication of the two given inputs.

If any of the input is negative, display Invalid Input

Write a Pseudocode for this scenario.

**Sample Input :**

Enter the no of kgs of apples, oranges and grapes bought by you

4

6

2

Enter the no of kgs of apple, orange and grapes bought by your friend

3

2

1



Enter the price of apple, orange and grapes per kg

25

15

18

Sample Output :

You need to pay Rs.226 and your friend needs to pay Rs.123.

Explanation:

Amount to be paid by you is  $4 * 25 + 6 * 15 + 2 * 18 = 100 + 90 + 36 = 226$

Amount to be paid by your friend is  $3 * 25 + 2 * 15 + 1 * 18 = 75 + 30 + 18 = 123$

Hint: Declare 3 arrays of size 3. arr1[3], arr2[3] and price[3].

Get the input and do the needed calculations using arr1, arr2 and price array.

## Submission status

Submission status	Submitted for grading
Grading status	Not graded
Last modified	Monday, 15 January 2024, 7:06 PM



## Online text

**—****BEGIN****DECLARE arr1[3], arr2[3], price[3], yourprice = 0, friendprice = 0****PRINT "Enter the no of kgs of apples, oranges and grapes bought by you"****FOR i is 0 to 2 DO****if i > 0****READ arr1[i]****else****print "Invalid Input"****END FOR****PRINT "Enter the no of kgs of apple, orange and grapes bought by your friend"****FOR i is 0 to 2 DO****if i > 0****READ arr2[i]****else****print "Invalid Input"****END FOR****PRINT "Enter the price of apple, orange and grapes per kg"****FOR i is 0 to 2 DO**

```
    if i > 0  
        READ price[i]  
    else  
        print "Invalid Input"  
    END FOR  
    FOR i is 0 to 2 DO  
        sum += arr1[i] * price[i]  
    END FOR  
    FOR i is 0 to 2 DO  
        sum += arr2[i] * price[i]  
    END FOR  
END
```

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