Due Date: 8 April 2012, midnight

Write a C program to simulate a drink machine. Initially there are Coca Cola, Fanta, Gazoz, Nestea in the drink machine. Their initial values and their prices will be input by the user into two arrays. The program will ask the user which drink s/he wants and displays the required price to be paid. As the user buys drinks, the amount of drink will be updated in the array. The user will be able to check the prices of the drinks, amounts of each drink left in the machine as given in the sample run.

Use functions:
- that inputs and returns two arrays with drink amounts and their prices
- that receives the drink amount array, the drink to be updated and amount to be updated, it will update the array when the user buys drinks

Sample Run:

Enter initial drink amount Coca Cola, Fanta, Gazoz, Nestea: 20 30 15 22
Enter price of Coca Cola, Fanta, Gazoz, Nestea Enter candidate id and vote: 2 1.5 2 1

Enter B to buy, C to check amount of drinks, P to check prices, Q to quit: P
There are 20 Coca Cola 30 Fanta 15 Gazoz 22 Nestea

Enter B to buy, C to check amount of drinks, P to check prices, Q to quit: C
Enter 1 for Coca Cola, 2 for Fanta, 3 for Gazoz, 4 for Nestea: 2
Price is 1.5 TL
Enter B to buy, C to check amount of drinks, P to check prices, Q to quit:B
Enter 1 for Coca Cola, 2 for Fanta, 3 for Gazoz, 4 for Nestea: 2
How many? 5
You have to pay 7.5 TL.
You can get 5 Fanta from the box.

Enter B to buy, C to check amount of drinks, P to check prices, Q to quit:C
There are 20 Coca Cola 25 Fanta 15 Gazoz 22 Nestea

....

NOTES:
Your program should
- include comments to explain your program.
- be easy to follow.
- work for all possible inputs.
- include proper input and output messages.

Mail your homework to ceng114@cankaya.edu.tr. Don’t forget to write your name.

Late homeworks will be graded out of 10 – \( \frac{d^2}{2} \) where \( d \) is the number of late days.