

```
1  #! python3
2  import random
3
4  SODA_BASE_PRICE = 100
5  payment = 0
6  balance = 0
7
8  price_variance = random.randint(-3,3) * 5
9  soda_price = SODA_BASE_PRICE + price_variance
10
11 print('Welcome to the soda machine.  You can enter values of 5, 10 or 25 in
... payment')
12 soda_type = input('What type of soda would you like? ')
13 print('The current price of ' + soda_type + " is " + str(soda_price) + '
... cents')
14
15 while True:
16     coin = input('Enter a coin: ')
17     payment += int(coin)
18     balance = soda_price - payment
19     if balance > 0:
20         print('You still owe ' + str(balance) + ' cents')
21         continue
22     elif balance < 0:
23         print('You have been refunded ' + (str(abs(balance))) + ' cents.')
24         break
25     else:
26         break
27 print('Enjoy your ' + soda_type + '!')
28
29
30
31
```