

```
1 #Dr. Burkman
2 #Mod 09 Homework
3
4 #Variable Declarations
5 $SODA_BASE_PRICE = 100
6 $payment = 0
7 $balance = 0
8
9
10 $price_variance = (Get-Random -Minimum -3 -Maximum 4 ) *5
11 $soda_price = $SODA_BASE_PRICE + $price_variance
12 $balance = $soda_price - $payment
13
14 clear
15 Write-Host "Welcome to the soda machine.  You can enter values of 5, 10 or 25
... in payment`r`n"
16
17 while ($true)
18 {
19     $soda_type = Read-Host -Prompt "What type of soda would you like?"
20     if ($soda_type -eq "")
21     {
22         Write-Host "`r`nYou must enter a value.  Press Enter to try again."
23         Read-Host
24         clear
25         continue
26     }
27     else
28     {
29         break
30     }
31 }
32
33 clear
34 Write-Host "The current price of $soda_type is $soda_price cents"
35
36 while($true)
37 {
38     $coin = Read-Host -Prompt "`r`nEnter a coin"
39     clear
40     if ($coin -eq 5)
41     {
42         Write-Host "You have inserted a nickel.`r`n"
43     }
44     elseif ($coin -eq 10)
45     {
46         Write-Host "You have inserted a dime.`r`n"
47     }
48     elseif ($coin -eq 25)
49     {
50         Write-Host "You have inserted a quarter.`r`n"
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51     }
52     else
53     {
54         Write-Host "That is not a valid amount.`r`n"
55         Write-Host "You still owe $balance cents"
56         continue
57     }
58
59     $payment += $coin/1
60     $balance = $soda_price - $payment
61
62     if($balance -gt 0)
63     {
64         Write-Host "You still owe $balance cents"
65     }
66
67     elseif($balance -lt 0)
68     {
69         $refund = [math]::abs($balance)
70         Write-host "You have been refunded $refund cents`r`n"
71         break
72     }
73
74     else
75     {
76         break
77     }
78 }
79
80 write-host "Enjoy your $soda_type!`r`n"
81
82 Read-Host -Prompt "Press enter to close the program"
83
84
85
```