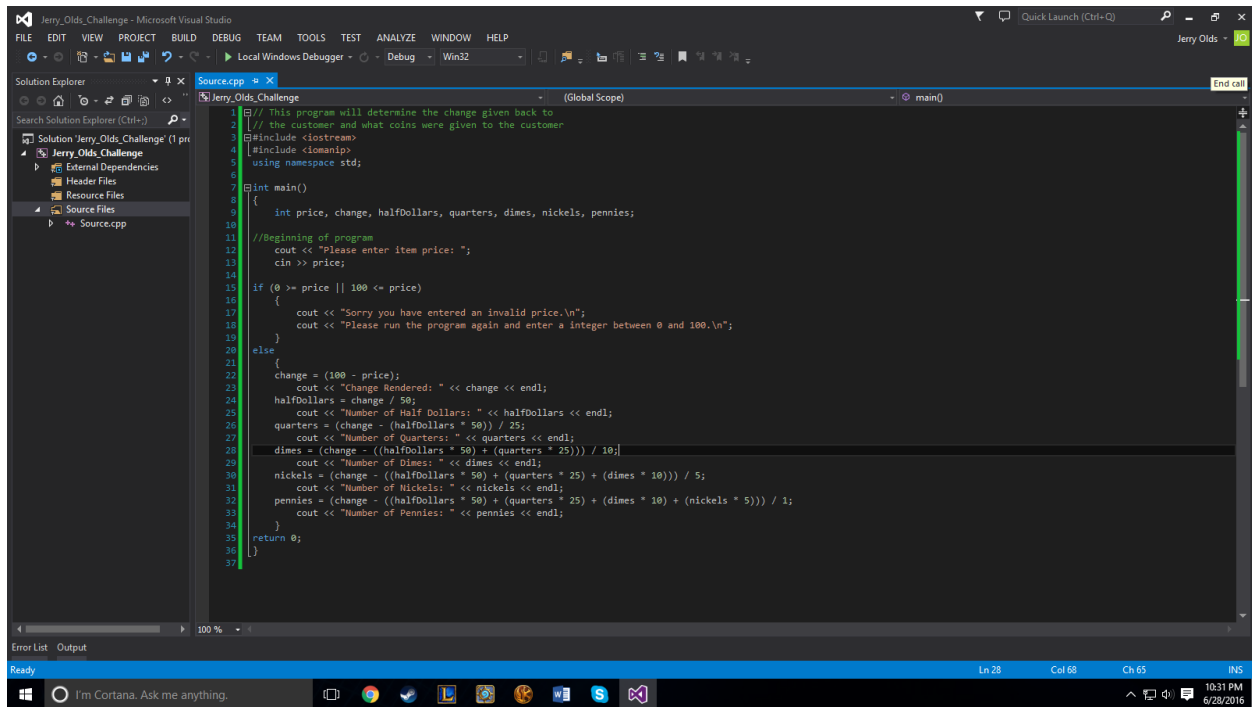
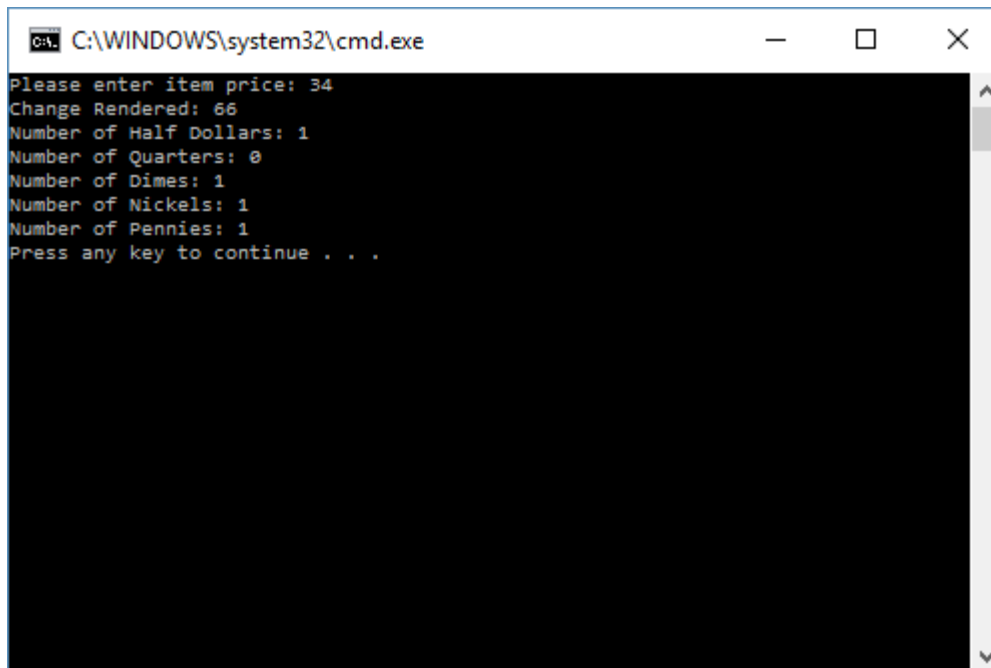


Jerry Olds



```
1 // This program will determine the change given back to
2 // the customer and what coins were given to the customer
3 #include <iostream>
4 #include <iomanip>
5 using namespace std;
6
7 int main()
8 {
9     int price, change, halfDollars, quarters, dimes, nickels, pennies;
10
11     //Beginning of program
12     cout << "Please enter item price: ";
13     cin >> price;
14
15     if (0 >= price || 100 <= price)
16     {
17         cout << "Sorry you have entered an invalid price.\n";
18         cout << "Please run the program again and enter a integer between 0 and 100.\n";
19     }
20     else
21     {
22         change = (100 - price);
23         cout << "Change Rendered: " << change << endl;
24         halfDollars = change / 50;
25         cout << "Number of Half Dollars: " << halfDollars << endl;
26         quarters = (change - (halfDollars * 50)) / 25;
27         cout << "Number of Quarters: " << quarters << endl;
28         dimes = (change - ((halfDollars * 50) + (quarters * 25))) / 10;
29         cout << "Number of Dimes: " << dimes << endl;
30         nickels = (change - ((halfDollars * 50) + (quarters * 25) + (dimes * 10))) / 5;
31         cout << "Number of Nickels: " << nickels << endl;
32         pennies = (change - ((halfDollars * 50) + (quarters * 25) + (dimes * 10) + (nickels * 5))) / 1;
33         cout << "Number of Pennies: " << pennies << endl;
34     }
35     return 0;
36 }
```



```
C:\WINDOWS\system32\cmd.exe
Please enter item price: 34
Change Rendered: 66
Number of Half Dollars: 1
Number of Quarters: 0
Number of Dimes: 1
Number of Nickels: 1
Number of Pennies: 1
Press any key to continue . . .
```