```
#program asks for a price of the item they will be paying for while
storing the price of it as variable "price."A float is used in this case
as we will be using decimal numbers.


price = float(input("What is the price of the item?:"))


#program asks user for the amount of money they will be inserting and
stores the number in variable "inserted". A float is used in this case as
we will be using decimal numbers.


inserted = float(input("Cash amount tendered:"))


#variable change is created to get the money inserted minus the price of
the product.


change = (inserted-price)


#program outputs to the user the change left after subtracting their input
money minus product price


print ("Your change is:","$",change)


#variable left is created using an int to get change times 100 for the
change in pennies


left = int(change*100)


#program outputs to the user the change left in pennies


print("Change left:", left)


#program prints "Twenties:" with left divided with integer division to
divide left by number "20" and round down.


print("Twenties:", left // 2000)


#left gets new value of left mod number of bill, in this case $20. since
$20 can go into left, we subtract left and $20 x many times to get new
value and are left with new value of left.
```

```python
left = (left % 2000)


#program prints "Tens:" with left divided with integer division to divide
change by number "10" and round down.


print("Ten:", left // 1000)


#left gets new value of left mod number of bill, in this case $10. since
$10 can go into left, we subtract left and $10 x many of times to get new
value and are left with new value of change.


left =(left % 1000)


#program prints "Fives:" with left divided with integer division to divide
left by number "5" and round down.


print("Fives:", left // 500)


#left gets new value of left mod number of bill, in this case $5. since $5
can go into left, we subtract left and $5 x many of times to get new value
and are left with new value of left.


left =(left % 500)


#program prints "Ones:" with left divided with integer division to divide
change by number "1" and round down.


print("Ones:", left // 100)


#left gets new value of left mod number of bill, in this case $1. since $1
can go into left, we subtract left and $1 x many of times to get new value
and are left with new value of left.


left =(left % 100)


#program prints "Quarters:" with left divided with integer division to
divide left by number "0.25" and round down.


print("Quarters:", left // 25)
```

```
#left gets new value of change mod number of bill, in this case $0.25.
since $0.25 can go into left, we subtract left and $0.25 x many of times
to get new value and are left with new value of left.


left =(left % 25)


#program prints "Dimes:" with left divided with integer division to divide
left by number "0.10" and round down.


print("Dimes:", left // 10)


#left gets new value of left mod number of bill, in this case $0.10. since
$0.10 can go into left, we subtract left and $0.10 x many of times to get
new value and are left with new value of left.


left =(left % 10)


#program prints "Nickels:" with left divided with integer division to
divide left by number "0.05" and round down.


print("Nickels:", left // 5)


#left gets new value of left mod number of bill, in this case $0.05. since
$0.05 can go into left, we subtract left and $0.05 x many times to get new
value and are left with new value of left.


left =(left % 5)


#program prints "Pennies:" with left divided with integer division to
divide change by number "0.01" and round down.


print("Pennies:", left // 1)


#left gets new value of left mod number of bill, in this case $0.01. since
$0.01 can go into left, we subtract left and $0.01 x many times to get new
value and are left with new value of left.


left = (left % 1)
```