***Subroutine***

***Each labs worth 10 points***

***All lab work must be initiated during the lab hour and be completed during the lab hour.  
Only when additional time is required, the student may show the lab instructor his uncompleted work during the lab, then complete the lab work in the following day for 2 points off.***

Write a program for a grocery store to calculate the total charge for customers.

In the main:

Your program should ask customer the number of items that he/she is purchasing and it should check to see it is less than or equal to 20 items , then your program should pass than number to FillPriceArray subroutine.

FillPriceArray subroutine fills the array, accumulate the prices and return the sum to main.

In the main you get the number of coupons form user (it should be the same as the number of items) and pass the coupon number to FillCouponArray function.

FillCouponArray function gets the coupon amount. The coupon should be less than item price and coupon should not be more than $10 if the coupon is more than item price or exceed $10 then you place 0 in the CouponArray for that coupon. Also the FillCouponArray function accumulates the coupons and return it to main. Finally your main program should calculate the total charge by subtracting the total price from total discount coupons and out put the total charge with a thank you massage on the screen.

***Sample Output:***

**Please enter the number of item you are purchasing(should be less than or equal to 20)**

**21**

**Sorry too many items to purchase!! Please enter number of items you are purchasing**

**3**

**Please enter the price of item 1**

**10**

**Please enter the price of item 2**

**10**

**Please enter the price of item 3**

**20**

**Please enter the number of coupons that you want to use.**

**4**

**Too many Coupons!!** **Please enter the number of coupons that you want to use.**

**3**

**Please enter the amount of coupon 1**

**15**

**This coupon is not acceptable**

**Please enter the amount of coupon 2**

**$5**

**Please enter the amount of coupon 3**

**$5**

**Your total charge is:     $30**

**Thank you for shopping with us.**