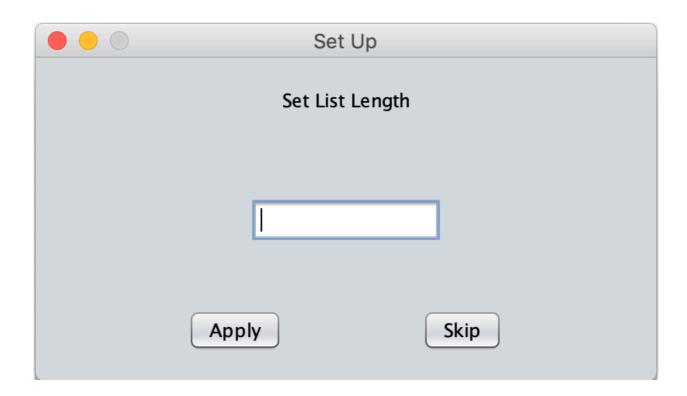
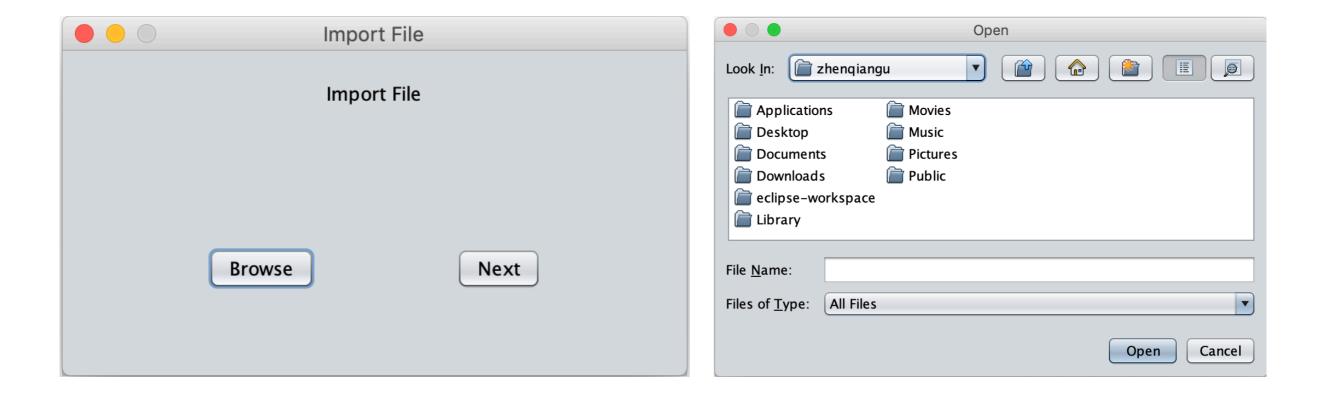
# Visual Presentation Screen Shots

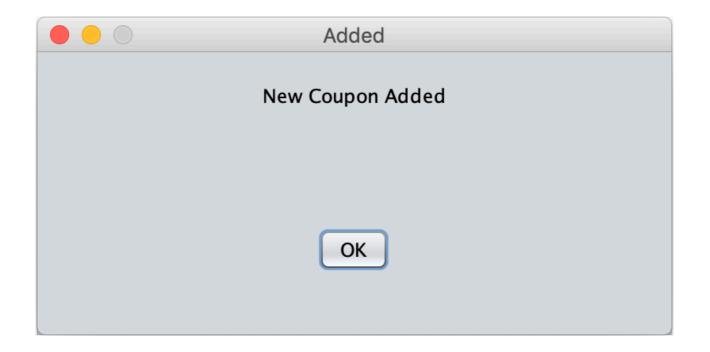
First, enter the length of the array, if nothing is entered, click Apply, an array with length of 30 will be instantiated. If click skip, also an array with length of 30 will be instantiated. If enter a number and then click Apply, the length of the array will be the number entered.



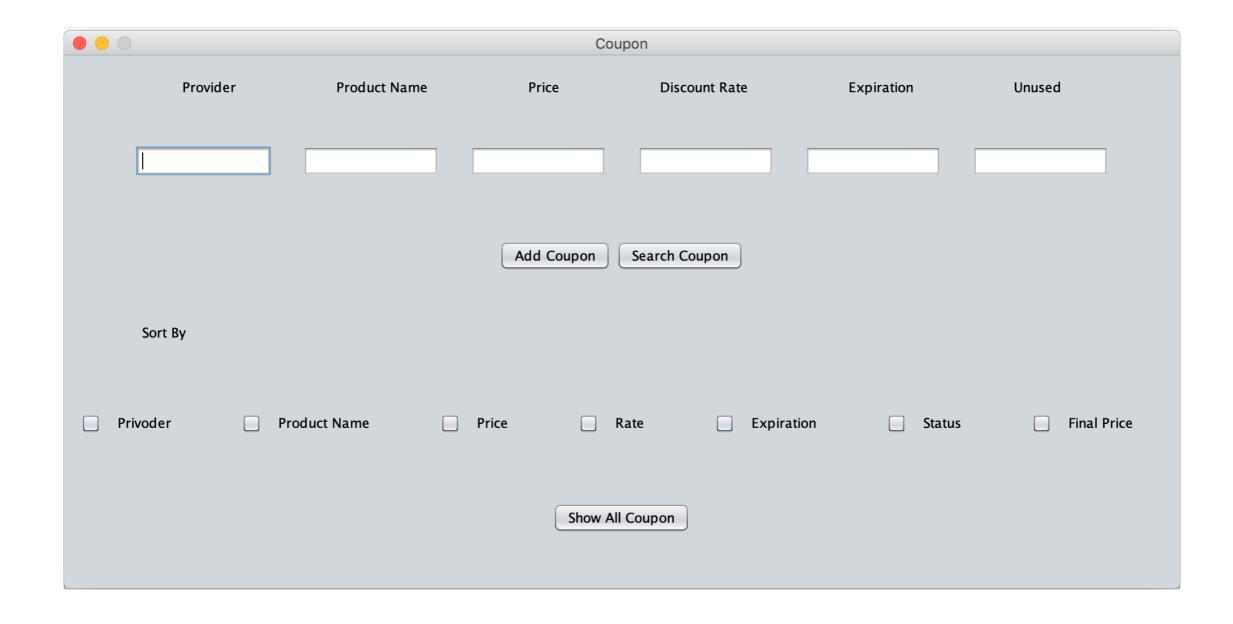
Next, the program asks the user to import a .txt file.



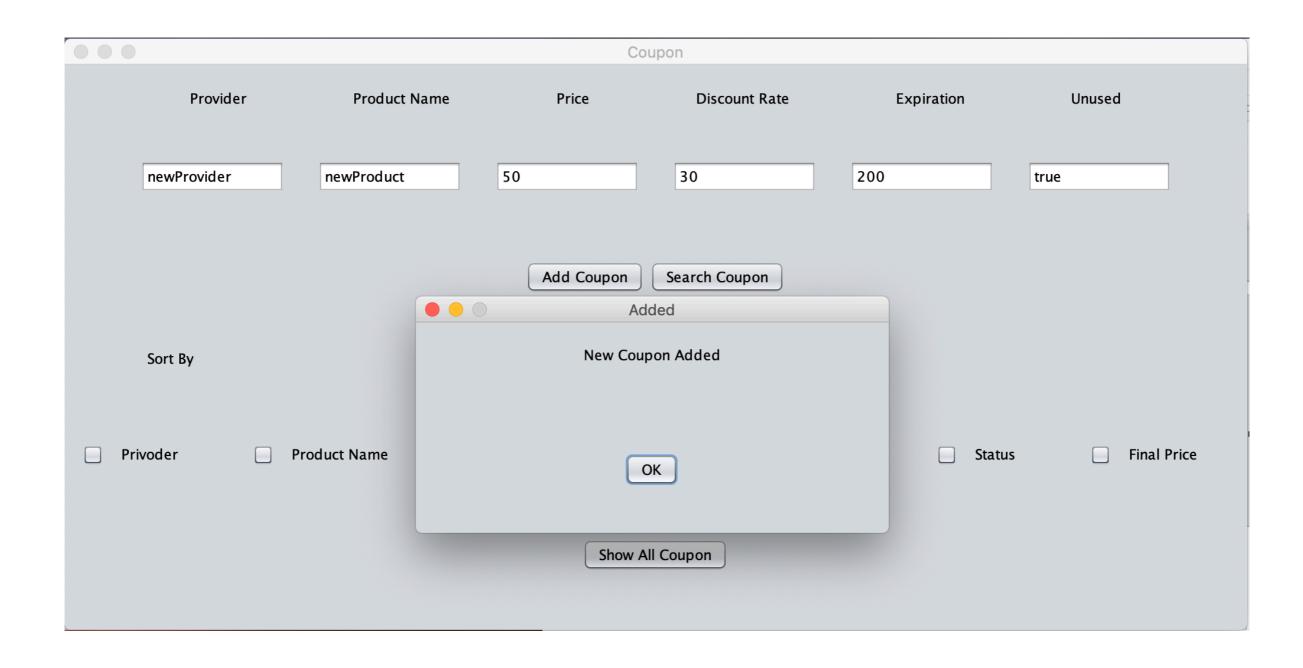
After imported the file, it shows a message.



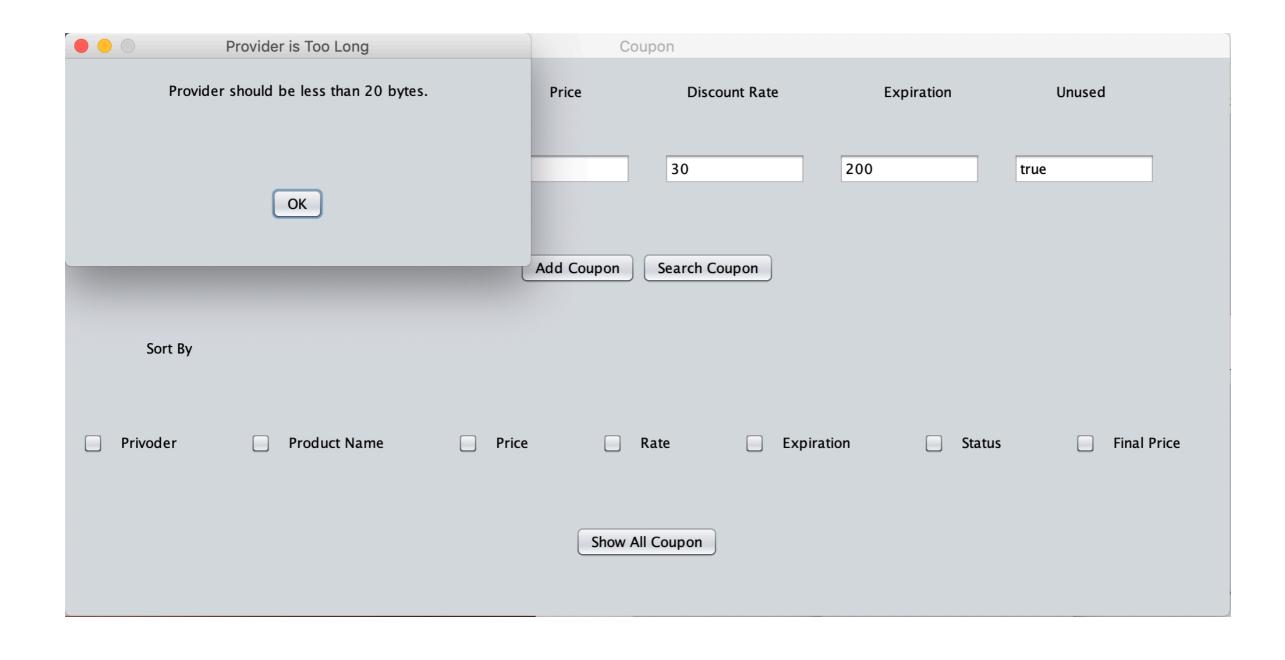
Then go to the next window, here we can add new coupon manually.



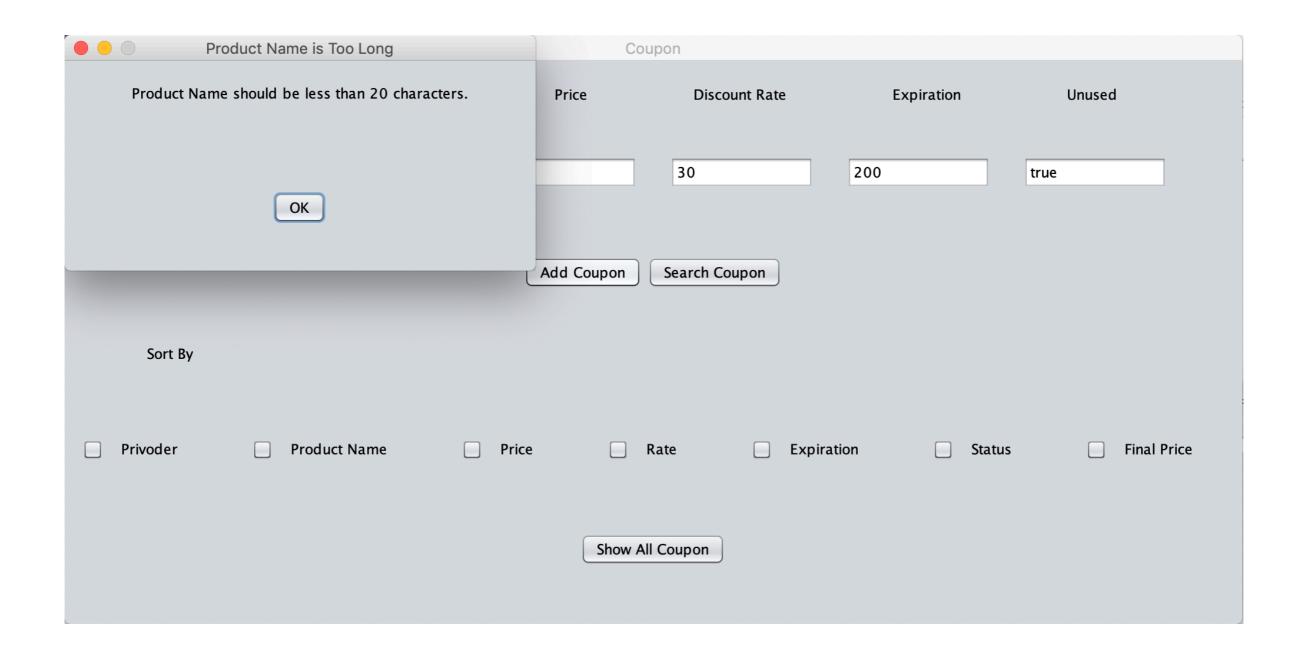
If successfully added, a message will pop out.



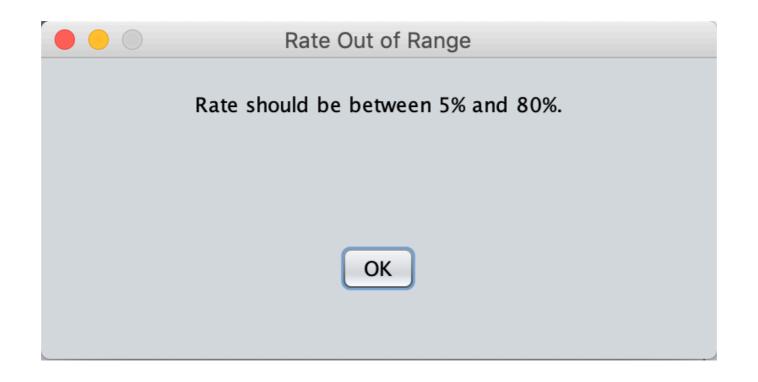
If the provider is longer than 20 bytes, the user will know.

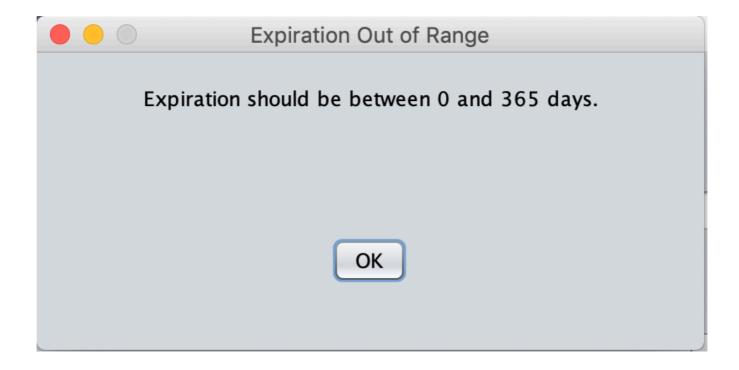


If the product name is longer than 20 characters, the user will know.

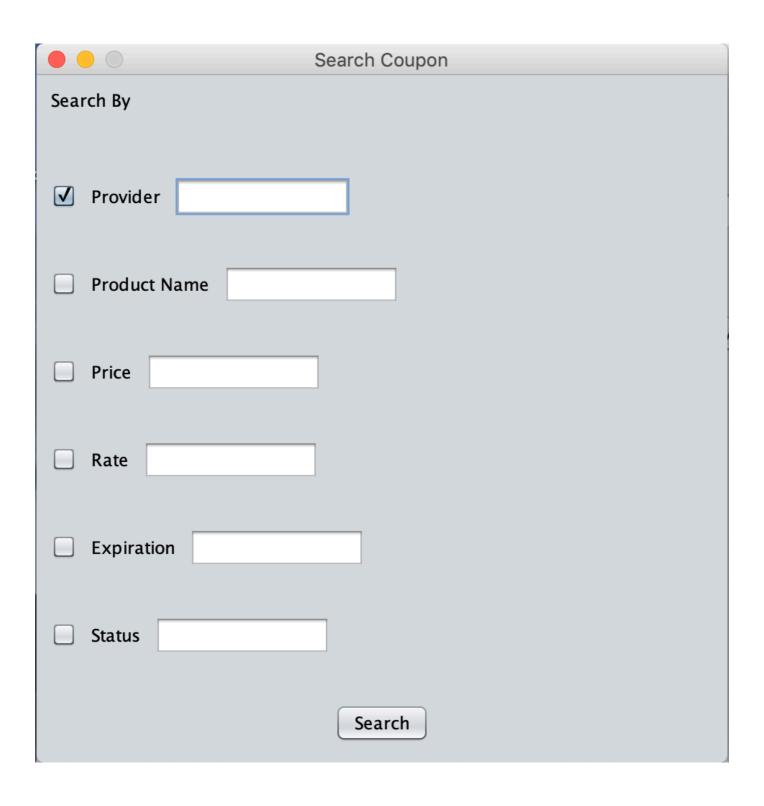


Similar if the rate and expiration is out of range.

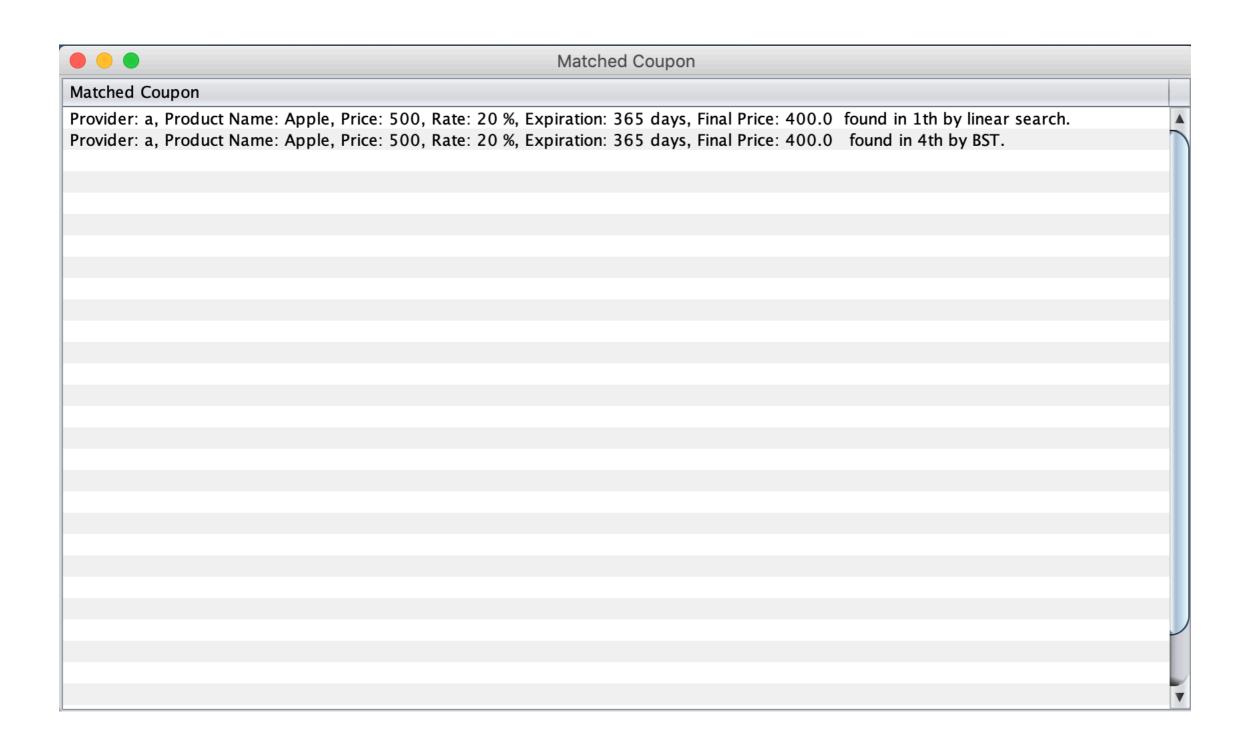




## Then we goto the search function



## If matched, a table will show the result



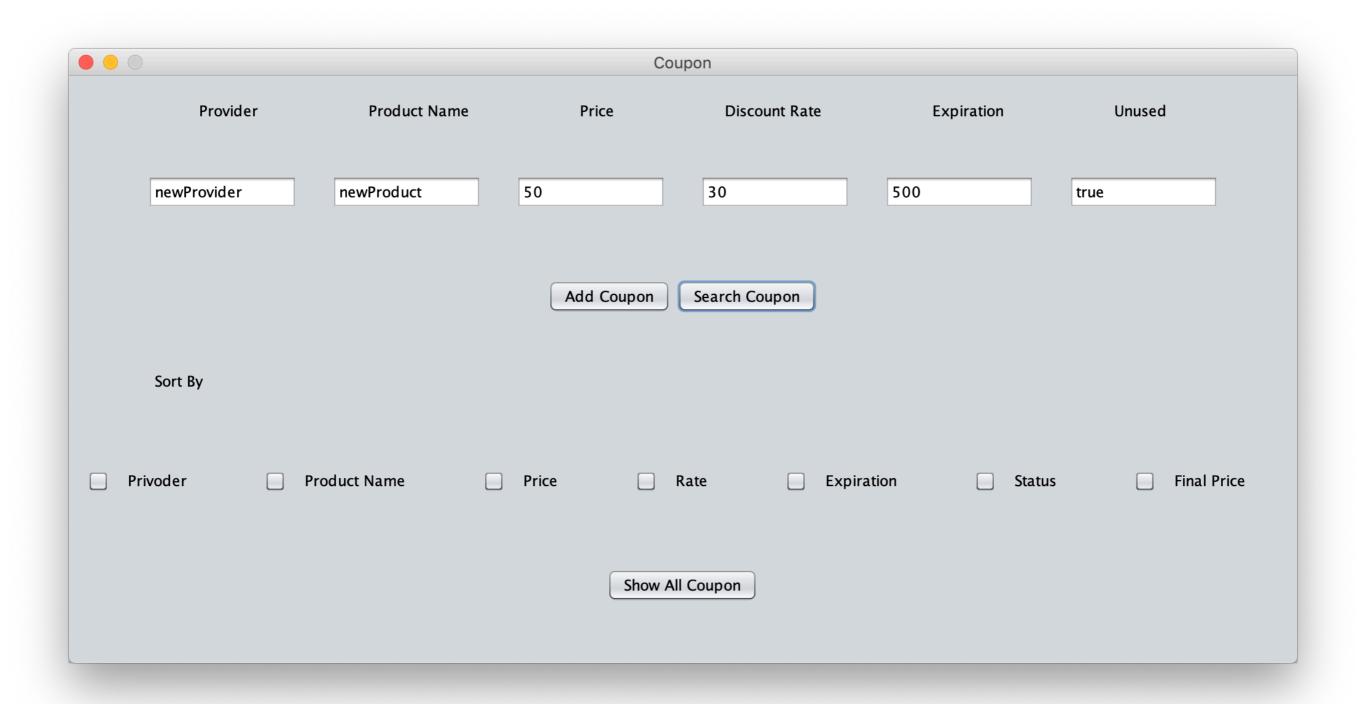
# If no coupon matched, the table will also show the result



#### The search function supports multi-targets.



#### Then we go back to the coupon window, and click the "show all button"



# It will show all the coupons in its original sequence

			Sorted C				
Privoder	Product Name	Price	Rate	Expiration	Unused	Final Price	
a	Apple	500	20	365	true	400.0	
b	Sony	300	15	180	true	255.0	,
С	Samsung	400	10	200	false	360.0	
С	Sharp	200	60	280	true	80.0	
d	Google	600	30	30	true	420.0	
2	Blackberry	800	50	10	true	400.0	
F	LG	550	75	300	true	137.5	
g	LEGO	50	10	30	true	45.0	
ำ	Microsoft	1000	15	5	true	850.0	
newProvider	newProduct	50	30	200	true	35.0	

Then close the table, choose one attribute to sort the coupon array.

This time we chose the price. The array will be sorted by price. We can also change to another attributes.

● ● Sorted Coupon									
Privoder	Product Name	Price	Rate	Expiration	Unused	Final Price			
g	LEGO	50	10	30	true	45.0			
newProvider	newProduct	50	30	200	true	35.0			
c	Sharp	200	60	280	true	80.0			
b	Sony	300	15	180	true	255.0			
C	Samsung	400	10	200	false	360.0			
a	Apple	500	20	365	true	400.0			
f	LG	550	75	300	true	137.5			
d	Google	600	30	30	true	420.0			
e	Blackberry	800	50	10	true	400.0			
h	Microsoft	1000	15	5	true	850.0			