

## LEADSQUARED QA-TEST

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1. You need to write as many test cases as possible for a simple software program which computes the eligible discount for a customer. Try to describe all possible scenarios in a tabular format. Do not worry about 'login' kind of test cases, and just focus on how you will validate discount calculation. These are the rules.  
If the customer is new, and they are willing to sign up for a new loyalty card, they get a 15% discount on all their purchases on the day. Second if they are an existing customer and hold a loyalty card, they get a 10% discount.  
Third, if they have a discount coupon, they will get 20% off which cannot be used with the new customer discount but can be used with loyalty card discount. Discount amounts are added, if applicable.

**Soln:-**

Test cases	T1	T2	T3	T4	T5	T6	T7	T8
New Customer(15%)	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE
Loyalty Card(10%)	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE
Coupon(20%)	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE
<b>Actions</b>								
Discount(%)	X	X	20	15	30	10	20	0

2. The following appeared as part of an article in the business section of a local newspaper:  
"Ronnie's Auto Repair Shop commenced business four months ago at the location formerly occupied by the Jenny's Beauty Parlour. Ronnie's Auto must be doing well at this location, because it intends to open a big shop in an adjacent town. Jenny's, on the other hand, has seen a lower volume of business in its first year at its new location compared to the prior year at its former location. Jenny's definitely erred in

shifting to its new location; its former location is a better site. Discuss how well reasoned you find this argument. In your discussion be sure to analyse the line of reasoning and the use of evidence in the argument. For example, you may need to consider what questionable assumptions underlie the thinking and what alternative explanations or counterexamples might weaken the conclusion. You can also discuss what sort of evidence would strengthen or refute the argument, what changes in the argument would make it more logically sound, and what, if anything, would help you better evaluate its conclusion.

**Soln:-** As per the article it is very much clear that Ronnie Auto repair shop is doing good at the new place because he is willing to open a big shop in adjacent town so the main reason for the Ronnie shop to do well is the better marketplace as compared to the Jenny shop as it is market mean to be for repair shop or needed more such repair shops not the Beauty parlour as there is nothing very solid conclusions to frame from the article and I found only this assumption to be valid for Ronnie shop to do good at this place because it could be the market requirement and customer demand for repair shops at the area and Jenny might have made mistake of setting a business at wrong place or not understanding the market and customer needs for that area.

3. How will you test a wireless mouse? What are the different things you will test and check before you can say that it is a good quality wireless mouse?

**Soln:-**

1. Verify that left-click and right-click buttons are working fine.
  2. Check if the double click is working fine.
  3. Verify the time duration between two left clicks, in order to consider it as a double click.
  4. Check if the scroller is present at the top or not.
  5. Verify the speed of the mouse pointer.
  6. Check the pressure required for clicking the mouse buttons.
  7. Verify the acceleration of the mouse pointer.
  8. Verify that clicking the button and dragging the mouse operation is working fine(drag and drop functionality).
  9. Check the dimension of the mouse, if it's suitable to grip and work.
  10. Verify that the mouse works in all the allowed surfaces.
  11. Check the range up to which the mouse remains operational.
  12. Check the battery requirement of the mouse.
  13. Check if there is an option to switch on and off the mouse.
- If all this points are tested then only I can say the mouse is a good quality mouse.