

## LeadSquared QA Test

Name: Bhavya Gudeti

Reg No: 17BLC1023

Branch: Electronics and Computer Engineering

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### Question – 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.*

### Answer:

According to the given scenario, the input here is the type of customer. The processing is the amount of discount that they can avail.

#### **Step-1: Partition the input into different categories:**

To create a table, we need to partition the input into different categories. There are 6 categories of customers in the given scenario.

1. New customers with coupon
2. New customers without a coupon
3. Existing customers with a loyalty card and no coupon
4. Existing customers without a loyalty card and no coupon
5. Existing customers with a loyalty card and coupon
6. Existing customers without a loyalty card and with a coupon.

#### **Step-2: Construction of the table:**

Type of customer	New customers, No coupon	New Customers with coupon	Existing customer with loyalty card and no coupon	Existing customer without loyalty card and no coupon	Existing customer with loyalty card and coupon	Existing customer without loyalty card and with a coupon
Discount						
15%	✓					
10%			✓		✓	
20%		✓			✓	✓
No discount				✓		

Step -3: Pick an user from each input category and test it. Pick one value and test to see if the correct amount of discount is applied. So now we will need atleast 6 test cases to test the case completely.

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### Question – 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.

Answer:

The argument states that the Jenny has made a mistake shifting to the new location. Stated in this way, the argument given consider the factor that a big shop is intending to open in an adjacent town. Therefore the argument is strong. First, the author compares Ronnie's Auto Repair shop, by stating that Auto is doing well in that location. This comparison is logical as it considers the fact that a big shop is intending to open. But at one point, this comparison feels illogical because the beauty parlour shop and auto repair shop do not have the same market share. Second, Jenny's beauty parlour has seen a lower volume of business at the new location because Jenny might have faced several difficulties to gain customers, who are not familiar with the beauty parlour at the new location.

In summary, the presented argument is neither persuasive nor sound, it leans on questionable assumptions about Jenny financial capacities and makes controversial comparisons.

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### **Question – 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?

Answer:

Test scenarios of wireless mouse:

1. Check the range up to which the mouse remains operational.
2. Check the battery requirement of the mouse
3. Check whether left-click and right-click buttons and scroll button are working fine.
4. Check if the double click is working fine
5. Verify the speed of the mouse pointer.
6. Check the pressure required for clicking the mouse buttons.
7. Check whether the drag and drop functionality is working fine.

The main benefit of wireless mouse is convenience.