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**17BCI0196**

**Leadsquared Assessment**

**Role: QA**

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.

**Answer:**

These are the provided testcases along with their outcomes-

No.	Testcase	Outcome
1	New customers who are <b>not willing to sign up for loyalty card</b> and with <b>no coupon</b>	No discount
2	New customers who are <b>not willing to sign up for loyalty card</b> and <b>with coupon</b>	20% Discount off total cost
3	New customers who <b>new loyalty card</b> and <b>no coupon</b>	15% Discount off total cost
4	New customers with <b>new loyalty card</b> and <b>with coupon</b>	15% Discount off total cost
5	Existing customer with <b>no loyalty card</b> and <b>no coupon</b>	No discount
6	Existing customer with <b>loyalty card</b> and <b>no coupon</b>	10% Discount off total cost
7	Existing customer with <b>no loyalty card</b> and <b>with coupon</b>	20% Discount off total cost
8	Existing customer with <b>loyalty card</b> and <b>with coupon</b>	20% + 10% Discount off total cost

2. The argument: “Ronnie’s Auto Repair Shop commenced business four months ago at the location formerly occupied by the Jenny’s Beauty Parlor. 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.”

**Answer:**

- The argument states that Jenny’s Beauty Parlor’s former location was an optimal location for businesses and the shift to the new location had caused the downfall of business at Jenny’s. “Ronnie’s Auto must be doing well at this location, because it intends to open a big shop in an adjacent town” this statement shows how Ronnie’s business has flourished over the months after they moved meaning the location has been a main factor.
- There could also be many other factors that leads to the success of Ronnie. This could include the lack of auto repair shops in the area, the expertise that has been showcased by Ronnie could be unmatched or area could have a lot of vehicle owners which could lead to a lot of repairs.
- The conclusions “Jenny’s definitely erred in shifting to its new location; its former location is a better site.” exhibits that Jenny’s new location isn’t helping, there could be many factors behind this cause rather than just the location factor.
- Beauty parlors usually target a certain age group but the age group of people living in the new location might not be a helping factor (could be elderly people).
- Since the beauty parlor had just moved into that area not a lot of people from the specific area would be aware of its existing this could be because of poor marketing and advertising.
- Jenny’s new locality could also have many other better known beauty parlors this could lead to lower volumes of business for Jenny.
- Since we are comparing services of two different types we can’t agree that the conclusion provided can be derived from the argument for sure.

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:**

- Check if wireless mouse uses RF(radio frequency) or Bluetooth.
- In the case of RF mouse, a USB dongle needs to be connected to the computer for it to work. Check if USB dongle is connected to the computer.
- In the case of Bluetooth, the mouse has to be connected through Bluetooth with the computer. Check if Bluetooth is switched on in the computer and is connected to the Bluetooth mouse.
- Check if LED light works in the case of an optical mouse.
- Check if pointer on the screen moves accordingly when the mouse is moved
- Verify that the left click button and right click buttons work fine in the mouse
- Verify that the double click works well
- Verify that drag and drop works fine.
- Check if battery requirements are met for the wireless mouse
- Make sure that the mouse works well on all types of acceptable surfaces
- Check if the wireless mouse contains an on/off switch and verify that it works accordingly
- Check the working range of the wireless mouse.
- Check the pressure that needs to be applied for the click buttons to work
- Check if the mouse fits your palm and gives a comfortable feel and good grip.

If a wireless mouse satisfies all these testcases in that case it can be accepted as a good quality mouse