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REGISTRATION NUMBER – 17BCE0212

QUALITY ASSURANCE ASSESSMENT

Q1). 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.

A1) According the situation give, the input can be divided into several categories for testing:

- Customers that are new and have coupon
- Customers without a coupon
- Customers that already exist but with no coupon and a loyalty card
- Customers that already exist without a loyalty card or a coupon
- Existing customers with a loyalty card and a coupon
- Existing customers without loyalty and with coupon

Q2). 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.

Q3) 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?

A3) The first and foremost thing that needs to checked is the type . Choosing a mouse that would suit the need, e.g-gaming mouse, travel mouse or ergonomic mouse is important. Apart from there are a few other factors that must be taken into account to test a wireless mouse .

- Dots per Inch(DPI) should be checked for proper and smooth usage
- Polling rate- This is one of the main factors that needs to be considered. Polling rate basically tells how many times a mouse reports its position to the computer. This accounts for greater accuracy and smoother movement.
- We also have the options of deciding between an optical or laser mouse before buying a wireless mouse.
- One of the most important factors that needs to be considered is the battery life and battery backup. A mouse with a good battery backup would be always more preferred and hence would be a good quality mouse.

So these are a few things that need to be checked or tested in order to determine the quality of the wireless mouse.