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.

Decision Table

Test case id	**Discount / Type**	**New Customer**	**Loyalty Card**	**Discount Coupon**	**Output**
1	New Customer	Yes (0%)	No	No	0%
2	New Customer with Loyalty sign up	Yes	Yes(15%)	No	15%
3	Existing Customer	No	No	No	0%
4	Existing Customer with Loyalty card	No	Yes(15%)	No	15%
5	Existing Customer with Discount card	No	No	Yes(20%)	20%
6	Existing Customer with Discount card and Loyalty	No	Yes	Yes	10% + 20%
7	New Customer with Discount coupon	Yes	No	Yes(0%)	0%
8	New Customer with Loyalty Signup and Discount coupon	Yes	Yes(15%)	Yes(0%)	15%