

1. SQL

a> Select e.empname ,s.salary From employee e Join salary s on e.empid=s.empid order by s.salary and rownum=n

b> Update salary s Set salary=5000 Where s.empid in (select empid from employee e where (trunc(months_between(SYSDATE, e.date_of_birth))/12)>30);

2. Test Scenarios :

1. Verify a new user is informed or has received a coupon code.
2. Verify that the user is able to apply the coupon code.
3. Verify that a new user get the bill amount reduced to 300 when the total bill is greater than or equal to 1000.
4. Verify that once coupon code applied and payment is done, the amount deducted should be total bill-300.
5. Verify that user is able to deduct a max of only 300 from total balance when applying a coupon code even for a payment of 1000+. Ex : 2000, 3000....
6. Verify user is informed on all possible sites where the promo code is valid.
7. Verify that the promo code is applicable on all possible sites wrt point 4.(Ex : Flipkart, amazon, big basket etc..)
8. Verify that user is able to see coupon codes expiry date to ensure he can apply before that date.
9. Verify that user is informed on the date of coupon codes expiry.(Assuming on the last date of expiry, user is given some kind of alert).
10. Verify that once coupon code has expired its UI needs to be removed from the user's id.
11. Verify that payment transaction with coupon code had immediate effect or not.(Assuming that as per requirement it should take immediate effect and not that the user is to be credited 300 after few hours/days/weeks.)

Negative Scenario :

1. Verify when an old user is applying a promo code then a validation message should display.(Assuming a new paytm user shared his promo code to the old user).
2. Verify when a new user is trying to apply same promo code for the second time.(Assuming the promo code validity is for 1 transaction only).
3. Verify when the user is trying to apply promo code but his total bill is less than 1000. Then a proper validation message should be displayed.
4. Verify when a new user try to apply his promo code after it got expired.(Assuming user is set to be new for 15 days and he receives different promo codes for different products and each promo codes expiry varies.)
5. Verify by applying a coupon code with more than 7 characters and a validation message should be displayed.
6. Verify when a user tries with a blank coupon code and proper validation message needs to be displayed.
7. Verify when user enters some random special characters in coupon codes, then proper validation message needs to be displayed.(Assuming coupon code should contain only alphabets or numeric or alpha numeric.)

Edge cases :

1. Verify when a new user is trying to apply a promo code of another new user, then a proper validation message should be displayed. There should be authentication wrt user ID and promo code.(Assuming user A promo code is NEW30 and user B promo code is GET30.)
2. Verify when coupon code is applied with the users id but the Bank account connected to paytm is closed, then a proper validation message needs to be shown and the coupon code should still be available.(Assuming user's bank account was closed after authentication with paytm)