**SDET Assignment**

Problem Statement 1:-

You have to write test cases to test Sign-up functionality.

Here is the workflow of the whole process:-

● Enter Details

○ Full name

○ Email

○ Phone number

○ Password

● Agree terms and conditions

● Click register

● Enter OTP that sent to the Phone number

● Click Verify

● Now verify the Onboarding screen

Sample Design:-

Design:- Sign-up to on-boarding screen.

Screen 1:- Register Screen

Screen 2:- OTP SCreen

Screen 3:- Onboarding screen

Few Pointers:-

● You can take help from the Internet.

● Try to cover as many corner cases as possible.

Solution-

1. Screen 1

• Name

i. Required

ii. Special characters are not allowed

Iii. First name and Last name should start with uppercase letters.

• Email

i. Required

iii. Email should not exist

Iii. Input must satisfy email@example.com

• Phone

i. Only digits are allowed

ii. Should not already exist, if exist redirect to login page

Iii. Only 10 digits allowed as phone number

• Create password

i. Required

ii. Password must be strong

• Must not register if terms and conditions are not accepted

2. Screen 2

• Otp must be only numbers

• Otp must be validated

• Otp should be of 4 digits

• Otp resend must be disabled for 2 minutes

3. Screen 3

• Should only open if logged in

• If opened from url and not logged in, should redirect back to login page

**Problem Statement 2:-**

Question:- WAP for below conditions:-

1. Print the values below N which are the multiple of x and store them in a List A.

2. Print the values below N which are multiple of y and store them in a List B.

3. Print all pairs from both List A and B whose sum is equal to T.

Example:-

Let support user given inputs

● N = 30

● X = 3

● Y = 6

● T = 15

1. List A = [3, 6, 9, 12, 15, 18, 21, 24, 27, 30]

2. List B = [6, 12, 18, 24, 30]

3. Here T = 15 so values will be

3 , 12 here 3 = A[0] and 12 = B[1] and Total is 15 that is T.

9, 6 here 9 = A[2] and 6 = B[0] and Total is 15 that is T.

**Solution-**

N=int(input("N="))

X=int(input("X="))

Y=int(input("Y="))

T=int(input("T="))

ListA=[no for no in range(1,N+1) if no%X==0 ]

ListB=[no for no in range(1,N+1) if no%Y==0 ]

pairs=[]

for i in ListA:

for j in ListB:

if i+j==T:

pairs.append((i,j))

print('ListA =', ListA)

print('ListB =', ListB)

print('T =', pairs)

**Output-**

N=30

X=3

Y=6

T=15

ListA = [3, 6, 9, 12, 15, 18, 21, 24, 27, 30]

ListB = [6, 12, 18, 24, 30]

T = [(3, 12), (9, 6)]