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In [11]: n = int(input("Enter 1 for string OR 2 for number: "))
swaps = 0

if n == 1:
    s1 = input("Enter first string: ")
    s2 = input("Enter second string: ")

    if len(s1) == len(s2):
        s1_list = list(s1)
        s2_list = list(s2)

        for i in range(len(s1)):
            if s1_list[i] != s2_list[i]:
                j = i + 1
                while j < len(s2):
                    if s2_list[j] == s1_list[i]:
                        s2_list[i], s2_list[j] = s2_list[j], s2_list[i]
                        swaps += 1
                    j += 1
        print("Number of swaps required:", swaps)
    else:
        print("Strings are of different lengths.")
elif n == 2:
    n1 = input("Enter first number: ")
    n2 = input("Enter second number: ")
    if len(n1) == len(n2):
        n1_list = list(n1)
        n2_list = list(n2)
        for i in range(len(n1)):
            if n1_list[i] != n2_list[i]:
                j = i + 1
                while j < len(n2):
                    if n2_list[j] == n1_list[i]:
                        n2_list[i], n2_list[j] = n2_list[j], n2_list[i]
                        swaps += 1
                    j += 1
        print("Number of swaps required:", swaps)
    else:
        print("Numbers have different numbers of digits.")
else:
    print("Invalid choice")

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Enter 1 for string OR 2 for number: 1
Enter first string: MMOMM
Enter second string: MMMMO
Number of swaps required: 1

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