Part A

5. Write a function nearly equal to test whether two strings are nearly equal. two strings a and b are nearly equal if one character change in b results in string a

Code:

```
def nearly_equal(a,b):
    if len(a)!=len(b):
        return False
    diff_count=0
    for i in range(len(a)):
        if a[i]!=b[i]:
        diff_count+=1
        if diff_count>1:
        return False
    return diff_count==1
    string1=input("Enter String1")
    string2=input("Enter string2")
    print(nearly_equal(string1,string2)) #True
```

Output:

```
Enter String1: hello
Enter String2: hi
False

==== RESTART: C:\Users\shrin\OneDriv
Enter String1: Python
Enter String2: Sython
True

==== RESTART: C:\Users\shrin\OneDriv
Enter String1: Sunday
Enter String2: Funday
True
```

8. Write a Pandas program to join the two given data frames along rows. Sample Data frame may contain details of student like rollno, name, Total Marks.

Code:

Output:

	RollNo	Name	TotalMarks
1	101	JOhn	85
2	102	Emma	92
3	103	Michel	78
4	104	Sophia	98
5	105	Oliver	88
6	106	Ava	95