## Merge Strings Alternatively

```
Strl = "GEEK";
                        oul = ";
str2 = "STER";
                        ans = "GS";
                        an = "GSET";
                        an = "GrSETEE";
an = "GSETEEKR";
                        ans = "GSETEEKR";
```

```
exp.

an = an + strl.charAt(i) + str2.charAt(i);
```

```
strl = "Vishnu";

strl = "Vishnu";

strl = "VMiasnhinsuh";

strl = "Manish";
```

```
code T. C = O (strl.len+str2.len) or O (ans.len)
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str1 = scn.nextLine();
    String str2 = scn.nextLine();
    System.out.println(merge2Strings(str1, str2));
public static String merge2Strings(String str1, String str2) {
    String ans = "";
  for (int i = 0; i < str1.length(); i++) {
        ans = ans + str1.charAt(i) + str2.charAt(i);
    return ans;
```

## Long Pressed Name

str="alex";
typ="aaleox"; str = " alex"; typed = "aaleex"; Observation:-

Geach char in str should be present in typed and also should be in same order

Ex1 str = " Wex" typed = "aaleeexabe"

str = ""

typed = "a"

str="kunal"; typed="uunaaal"

str = " abcd" psudo code typed = "aabbccc"; 1) i=0, j=0; 2) loop until j < typed. len a.1) strof i char == typed of j char  $\underline{a.2}$ ) else if (type of j! = typed of (j-1)) return false if ( i == str.len) & return truc; 3 else 5 fabre.

## T. C = 0 (str. len + typed. len)

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
    String typed = scn.nextLine();
    System.out.println(longPressed(str, typed));
}
public static boolean longPressed(String str, String typed) {
    int i = 0:
    int j = 0;
    while ( j < typed.length() ) {</pre>
        if ( i < str.length() && str.charAt(i) == typed.charAt(j) ) {
   i++;
} else if ( j == 0 || typed.charAt(j) != typed.charAt(j - 1) ) {
   return false;</pre>
     if ( i == str.length() ) {
        return true;
  = } else {
        return false;
```

strælen=6