

- Two strings of equal length will be given. Print all the adjacent pairs which are not equal.

**Input:** asdfghij and adsfgijh

**Output:** sd-ds, hij-ijh

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- From the input sentence given, find the strings which are not palindrome and print it.

**Input:** he knows malayalam

**Output:** he knows

\*\*\*\*\*

- Find the next greater element for each element in given array.

**Input:** array[]={6, 3, 9, 10, 8, 2, 1, 15, 7};

**Output:** {7, 5, 10, 15, 9, 3, 2, \_, 8}

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- Print all distinct permutations of a string having duplicates.

**Input:** ABCA

**Output:** AABC AACB ABAC ABCA ACBA ACAB BAAC BACA BCAA CABA CAAB

CBAA

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- Given an array with repeated numbers, Find the top three repeated numbers.

**Input:** array[]={3, 4, 2, 3, 16, 3, 15, 16, 15, 15, 16, 2, 3, 6, 2, 3}

**Output:** 3, 16, 1

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- Given two dimensional matrix of integer and print the rectangle can be formed using given indices and also find the sum of the elements in the rectangle.

**Input:**

```
mat[M][N] = {{1, 2, 3, 4, 6},  
              {5, 3, 8, 1, 2},  
              {4, 6, 7, 5, 5},  
              {2, 4, 8, 9, 4}};
```

index = (2, 0) and (3, 4)

**Output:**

Rectangle = {4 6 7 5 5}{2 4 8 9 4}

Sum=54

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