

1. 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

2. From the input sentence given, find the strings which are not palindrome and print it.
Input: he knows malayalam
Output: he knows

3. 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}

4. Print all distinct permutations of a string having duplicates.
Input: ABCA
Output: AABC AACB ABAC ABCA ACBA ACAB BAAC BACA BCBA CABA CAAB CBAA

5. 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

6. 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
