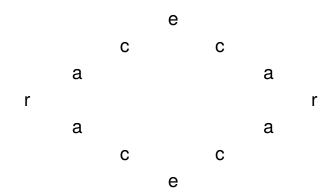
Question 1:

Display the diagonal pattern for the string of odd length.

Sample Input 1:

Enter the string: racecar

Sample Output 2:



Sample Input 2:

Enter the string : football

Sample Output 2:

Not Possible

Question 2:

Print the following pattern for the given n:

Sample Input 1:

Enter the number = 3

Sample Output 2:

1 6 5 2 4 3

Sample Input 2:

Enter the number = 5

Sample Output 2:

1 12 11 10 9 2 13 15 8 3 14 7 4 6 5

Question 3:

Print the largest possible for the given string.

Sample Input:

Enter the number of string to be entered = 2

Enter the string1 : abdf Enter the string2 : hafd

Sample Output:

String1 : fdba String2 : hfda

Question 4:

Print the following pattern for the given input.

Input:

Enter the number: 5

Output:

Question 5:

Check whether the given string has characters of equal difference or unequal difference.

Sample Input 1:

Enter the string: abcdefg

Sample Output 1:

Equal difference.

Sample Input 2:

Enter the string : adxz

Sample Output 2:

Unequal difference.

Explanation:

Sample Input 1:

string = abcdefg | b - a | = | f - g | = 1 | c - b | = | e - f | = 1 | d - c | = | d - e | = 1

Since the difference between the characters are same throughout i.e 1, therefore the given string is unique.

Sample Input 2:

string =
$$adxz$$

| $d - a$ | $! = | x - z |$

Since the difference between the characters (d - a) and (x - z) are not equal, therefore the given string is not unique.

Question 6: Find one of the maximum possible palindrome in the given string. Input: Enter the string : madameaga Output: aamdmaa Input: Enter the string : abcdefghfgbeadc

Output:

abcdefghgfedcba

Question 7:

Print the distinct words in the given string.

Sample Input 1:

Enter the string: This is Zoho and Zoho is good

Sample Output 1:

The distinct words are: This is Zoho and good

Sample Input 2:

Enter the string: we develop software we craft software

Sample Output 2:

The distinct words are : we develop software craft