**ZOHO ROUND 2 QUESTIONS**

1. Given an array of numbers,Find the immediate next for each number in the array and print as follows,

INPUT: {8,3,9,6,5}

OUTPUT: 8->9 3->5 9-> 6->8 5->6

Explanation: 9 is the immediate next number to 8 which is present in the array.,so 8🡪 9

For 9,there is no values that is immediately next in the array so print 9🡪

1. Print the below spiral matrix

INPUT: 3

OUTPUT:

1 2 3

8 9 4

7 6 5

INPUT: 5

OUPUT:

1 2 3 4 5

16 17 18 19 6

15 24 25 20 7

14 23 22 21 8

13 12 11 10 9

1. Arrange the words in accending order based upon the number of letters are there in a word. If two words contains same number of letters then it is sorted based upon the alphabetical order.

# INPUT: No legacy is so rich as honesty

# OUTPUT: as is No so rich legacy honesty

# Explanation: In the given sentence No,as,is,so contains the minimum number of length=2 and they must be sorted in alpahebatical order. The second minimum number is of length=6 ie,legacy. And the last is of length=7 ie,honesty.

1. You are given an array. Split the array in the given order K and reverse the numbers.

INPUT: {8,4,5,6,7,2,9,7}

K value: 3

OUTPUT: {5,4,8,2,7,6,7,9}

Explanation: The give k value is 3 so split the array as 3 parts. Ie, {8,4,5},{6,7,2},{9,7}

Now reverse each array {5,4,8},{2,7,6},{7,9}

So the output is {5,4,8,2,7,6,7,9}

INPUT:{8,4,5,6,7,2,9,7}

K value: 5

OUTPUT: {7,6,5,4,8,7,9,2}