Zoho Corporation - Programming Test

Section - A

1. Assume input will be word with odd letter count. Print the out put as given below.

   Input : P R O G R A M
   Explanation : start with middle letter from first line. Next line two letter from middle .
Continue still you
print all letters in last line.

   output :
```
          G
         G R
        G R A
       G R A M
      G R A M P
     G R A M P R
    G R A M P R O
```

Input : B A S I C
Output :
```
       S
      S I
     S I C
    S I C B
   S I C B A
```

2. Given an integer array, write a function to reverse every set of 'k' numbers. Modify the same array without creating another array. Reverse the remaining elements even if it is less than 'k'.

Example:
Input: {2, 1 , 3 , 5 , 8 , 6 , 7 , 9}   and k = 3
Output: {3 , 1 , 2 , 6 , 8 , 5 , 9 , 7}

3. Given a String with numbers and operators. Perform the operation on the numbers in their respective order. Operator precedence need not be considered. The input string will have the numbers followed by the operators.

Input: "12345 * + - + "
Result: 6 [Explanation: 1 * 2 + 3 - 4 + 5 = 6]

Input: "374291 - - * + -"
Result: -8 [Explanation: 3 - 7 - 4 * 2 + 9 - 1 = -8]

Input: "67542 - / + -"
Result: 2