1. Simulate the MATH calculator for the following operators (+,*, $) by using C functions.

'+' Operator does the following: Accept 2 integers as input and perform the summation of the given two numbers and return the sum as answer.

'*' Operator: Accepts 2 integers as input and multiply the given two numbers and return the product as answer.

'$' Operator: Accept an integer as input and return the reverse of the given number.

2. Given an array, write a function to reverse the first and second half of an array keeping its center element unchanged if the array elements are odd.

    Ex: I/p : 1 2 3 4 5 6 7 (odd)

      O/P : 3 2 1 4 7 6 5

    Ex: I/P : 1 2 3 4 5 6 7 8 (even)

        O/P : 4 3 2 1 8 7 6 5

3. Given an array, write a function to insert a number 'x' at index 0.

    Ex: i/p: 1 2 3 4 5 6

      o/p: 100 1 2 3 4 5 6 (if x=100)

4. Given an array and a new position 'p', write a function to insert a number 'x' at position 'p'.

    Ex: i/p: 1 2 3 4 5 6

            p=3

    o/p: 1 2 **100** 3 4 5 6 **(if x=100)**