Linked list and Array

1.

i. Create a linked list.

ii. Using above linked list insert and delete at given position.

Ex: Suppose L:=5 -> 1 -> 9 -> 7 -> 2 -> 5 -> NULL

Your function should be:

Insert(linked list = L , position = 2 , value = 12)

After insert L:= 5 -> 12 -> 1 -> 9 -> 7 -> 2 -> 5 -> NULL

Delete(linked list = L , position = 5)

After delete L:= 5 -> 12 -> 1 -> 9 -> 7 -> 5 -> NULL

iii. Using above linked list reverse the linked list.

Ex: L:= 5 -> 12 -> 1 -> 9 -> 7 -> 5 -> NULL

Your function should be:

Reverse(linked list=L)

After reverse L:= 5 -> 7 -> 9 -> 1 -> 12 -> 5 -> NULL

2.

i. Given an array of size n, find the co-prime or mutually prime pairs in the array.

Ex: arr[]={4, 8, 3, 9} , n=4;

Your function should be:

findPair(arr , n)

this function display the output as

(4,3) , (8,3) , (4,9) , (8,9)

ii. Write a program to find the sum of contiguous subarray within a array of size n which has the largest sum.

Ex: arr[] ={-2 , -3 , 4 , -1 , -2 , 1 , 5 , -3}

Your function should be:

findLargestSum(arr , n)

this function display the output as 7 [as: 4 + (-1) + (-2) + 1 + 5 = 7]