

## 1- Find Target Problem:

```
public static void Main(string[] args)
          int[] numbersList = new int[] { 2,7, 11,15};
          int[] indices = new int[2];
          int target = 9;
          indices = findTarget(numbersList, target);
          Console.WriteLine(indices[0]);
          Console.WriteLine(indices[1]);
     }
     public static int[] findTarget(int[] numbersList, int target)
          int tempSum = 0;
       for(int i =0;i<numbersList.Length;i++)</pre>
              for(int k = i+1;k< numbersList.Length; k++)</pre>
                  tempSum = numbersList[i] + numbersList[k];
                  if(tempSum == target)
                    return new int[] {i, k};
              }
          return null;
```

## 2- Find Nth Node:

```
public ListNode removeNthFromEnd(ListNode head, int n)
{
    ListNode start = new ListNode();
    start.next = head;
    ListNode leftSide = start;
    ListNode rightSide = start;

    for (int i = 1; i <= n; ++i){
        rightSide = rightSide.next;
    }

    while (rightSide.next != null){
        rightSide = rightSide.next;
        leftSide = leftSide.next;
    }
    leftSide.next = leftSide.next.next;
    return start.next;
}</pre>
```

## 3- Database schema:

```
SELECT D.Name Department, E1.Name Employee, E1.Salary Salary
FROM Department D, Employee E1
WHERE E1.DepartmentId = D.Id
AND(
    SELECT count(distinct Salary)
    FROM Employee E2
    WHERE E2.DepartmentId = D.Id AND E2.Salary > E1.Salary
    ) < 3
ORDER BY D.Id, E1.Salary desc;</pre>
```

## 4- Mini Project.

The project has been submitted on the following link: <a href="https://github.com/MahmoudHassan7/Onspec-Tasks.git">https://github.com/MahmoudHassan7/Onspec-Tasks.git</a>"

Thanks a lot for this nice experience.