Task Ol:

1) O(N2) -> for every element I run a nested loop which checks all the eleme succeeding elements. It checks and prints their positions it the sum is equal to the target sum.

(2) O(N) -> I run a while loop using two pointers from both sides. It adds up the two indices and checked it against the target som. And charges the pointers as necessaries balances ()

Task 02: (1 70 (Anlogn) -> I have sonted the two lists using mergesoret.

(1) O(N) -> Used a while loop and a pointer for each list. Whichever is small, gets added firest.

Task 03:

I first write the greedy algorithm. It sorts the list of tasks based on the summation of start and end time. Then takes the first element as first task. The evaluates the rest to find the suitable next task. The process continues till all possible tasks are selected.

Task 04:

The concept is the greedy algorithm here as well. But I created two seperate lists for ease of choosing the first task efficiently. Then the base greedy algorithm does all the work.