## Assignment-02 Explaination

#### Task-1(a)

The code needs an array and a target sum from a file, then writes to another file either the positions of two elements in the array that add up to the target sum, or 'Impossible' if no such pair exists. It uses a two-pointer technique to find the pair.

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# Task+1(b) - brow comit brows sight yo

in this case it uses at nested loop to find the pairs divide and more thanks and the pairs divide more more more markets.

## Task-2(a)

the code reads two arrays from a file, merges them into an array, sorts the merged array using the merge sort algorithm and then writes the sorted array to another file.

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### Task-2(b)

The code is almost similar to task-2(a) but in this case it uses a two-pointer technique to merge and isortherethe arrays. I up to the Task-31 To the topics topics to the total

Talk-1(0)

the code reads a list of tasks from a file, each task having a start and end time. It sords the tasks by their end times and then finds the maximum inumbers of non-overlapping tasks that can be performed the sorded tasks and the maximum number are then written to enother tile.

#### Task-4

A list of tasks having a start and end time. It sorts the tasks by their end times and then assigns the tasks to the people in such a way that each percoon perctorens the maximum number of non-overdapping tasks. The total number of tasks partioned is then written to another file.