

Task-1

(1) We use two loops

(2) We use two pointers. First pointer at 0 index and last ~~point~~ 2nd pointer at the last index. Then we sum the elements of two pointers. Based on the sum we moved these two pointers accordingly.

Task-2

(1) We did merge sort

(2) We used two pointers method and merge two lists.

Task-3

We sort the end time in ascending orders.
Then based on endtimes we select next time slot. Basically, we compared endtime with next start time.

Task-4

Here we did the similar thing like task 3.
But here we find out the best possible option that who will take the next slot.