

Task 3

This code reads the next n lines from the input file and store them in a list 'li'. Then sorts it the list of tuples based on their second element. Initialises an empty list 'li1', a variable temp to 0, and a counter variable count to 0. Iterates over each tuple in sorted list. Extract the start and end times of the tuple. If the start time ~~to~~ of the tuple is greater than or equal to temp, append it to the list 'li1', update temp to the end time of the tuple, and increment the time complexity here in $O(n^2)$ because of nested loop.