

task-1:

The ~~program~~ code reads a list of task's start and end times from an input file, sorts them based on end times and then selects non-overlapping tasks to maximize the number of tasks that can be performed. It finally writes the selected tasks and their counts to an output file.

task-2:

The ~~program~~ code reads the availability of 'm' persons each initially set to time 0 and a list of 'n' tasks with their start and end times from an input file. It then sorts the tasks based on start times and assigns available person's tasks, counting how many tasks can be performed without overlapping. Then the count is printed in output file.

task-3

The code does an union operation by updating the parent of friend circle 'b' to be the same as the parent of friend circle 'a' effectively merging the two friend circles into a single larger circle.