Problem Statement:

Read data coming from a stream which represents the employee-supervisor reporting in the Organization. Write jobs which will generate outputs (as mentioned in the use case document) which are processed by a BI reporting tool to generate reports every fortnight giving insights into reporting structure with-in the Organization.

Expected Deliverables

1. Consumer process that reads input data from stream and generates table ORG\_HIER\_TBL. Refer document to understand structure of the table that is needed to be generated

2. Code that will generate below 4 reports:

Report A: Rank each Supervisor (of same Grades) based on number of reportees reporting. If the number of reportess is same then rank them based on employee id giving preference to employee who has joined organization earlier

Report B: Find average number of direct reportees and total (direct+indirect) reportees for each grade

Report C: List of Eligible Supervisors (G10 and above only) who were not assigned any reportees under them. Order the list based on Grade starting from Grade 10 and so on

Report D: Generate a report which can give insight on number of employees that have resigned and joined at different grades in the past 30 days