2. Specify the query using relational algebra. (20 points)

Retrieve the name (first name, last name) of the employee who is either a manager or a supervisor.

Answer:

mgrSSN(SSN) ⟵ π_{MGRSSN} (DEPARTMENT)

superSSN(SSN) ⟵ $\pi_{SUPERSSN}$ (EMPLOYEE)

allMSSN ⟵ mgrSSN $\cup$ superSSN

mInfo ⟵ allMSSN * EMPLOYEE

Result ⟵ $\pi_{FNAME,\ LNAME}$ (mInfo)