

Nhat Doan\_ CSC134\_Midterm\_Question 2

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:

Supervisors  $\leftarrow$  (EMPLOYEE)  $\bowtie_{SSN=SUPERSSN}$  ( $\pi_{SUPERSSN}$  (EMPLOYEE))

Managers  $\leftarrow$  (EMPLOYEE)  $\bowtie_{SSN=MGRSSN}$  ( $\pi_{MGRSSN}$  (DEPARTMENT))

Names\_of\_Manager\_and\_Supervisors:  $\pi_{FNAME,LNAME}$  (Supervisors  $\cup$  Managers)