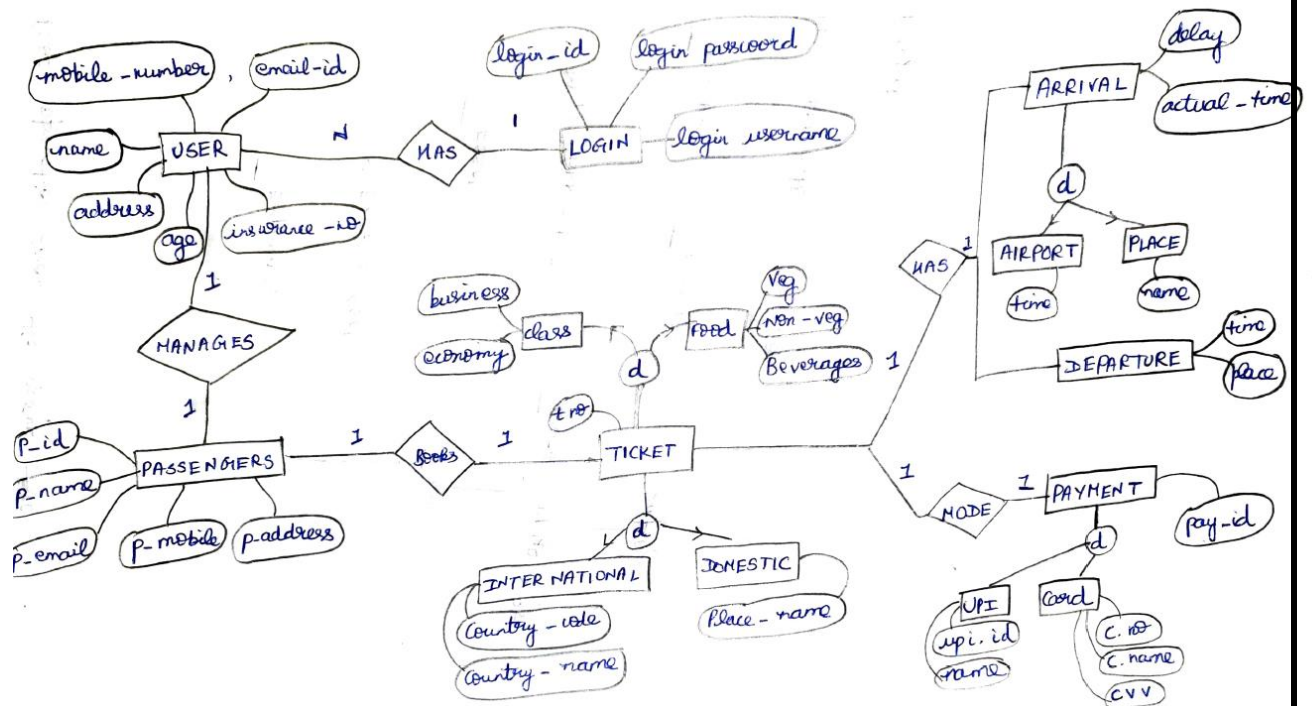


Advanced Data Base Management

Prashanth.S (19MID0020)

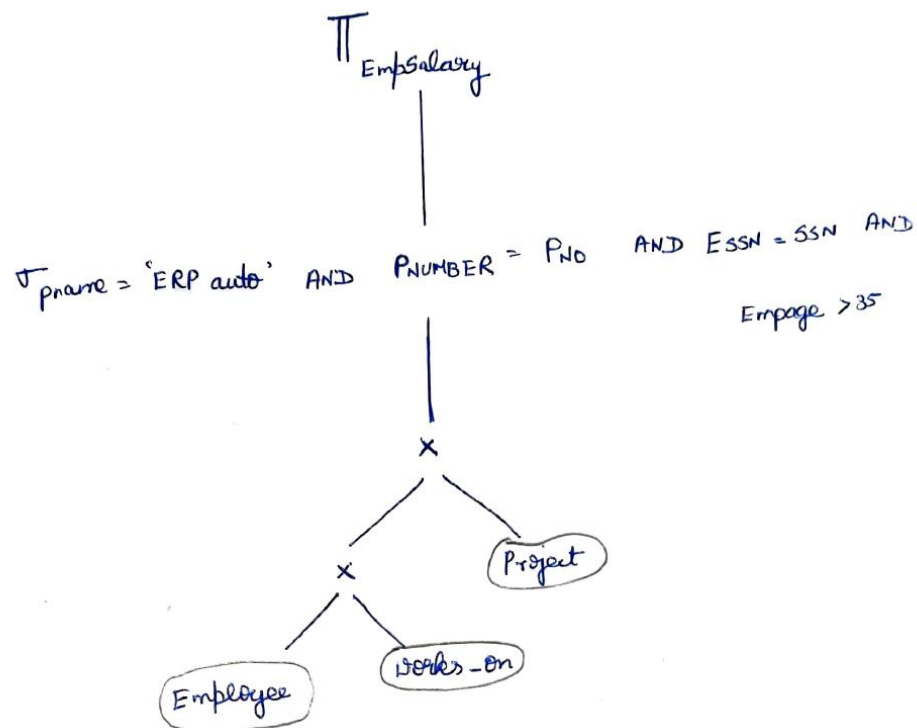
1) Draw EER diagram for the air e-ticketing software system.



2) Elucidate the steps involved in processing the given high-level query.

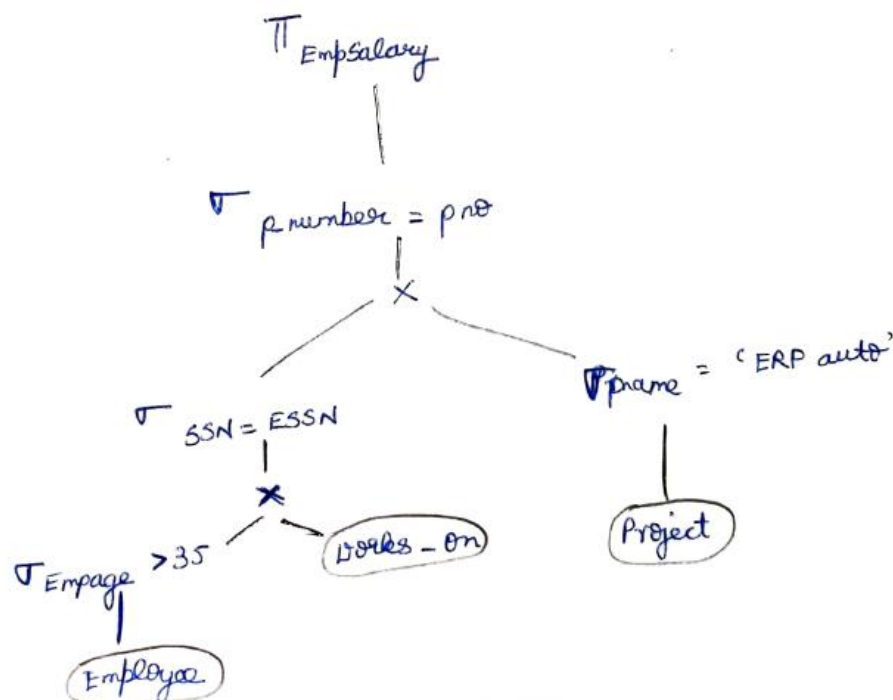
Select Empsalary from employee, works, project where
pname="ERP_Auto" and Essn=ssn and pnumber=pno and empage > 35;

Initial (canonical) query tree.

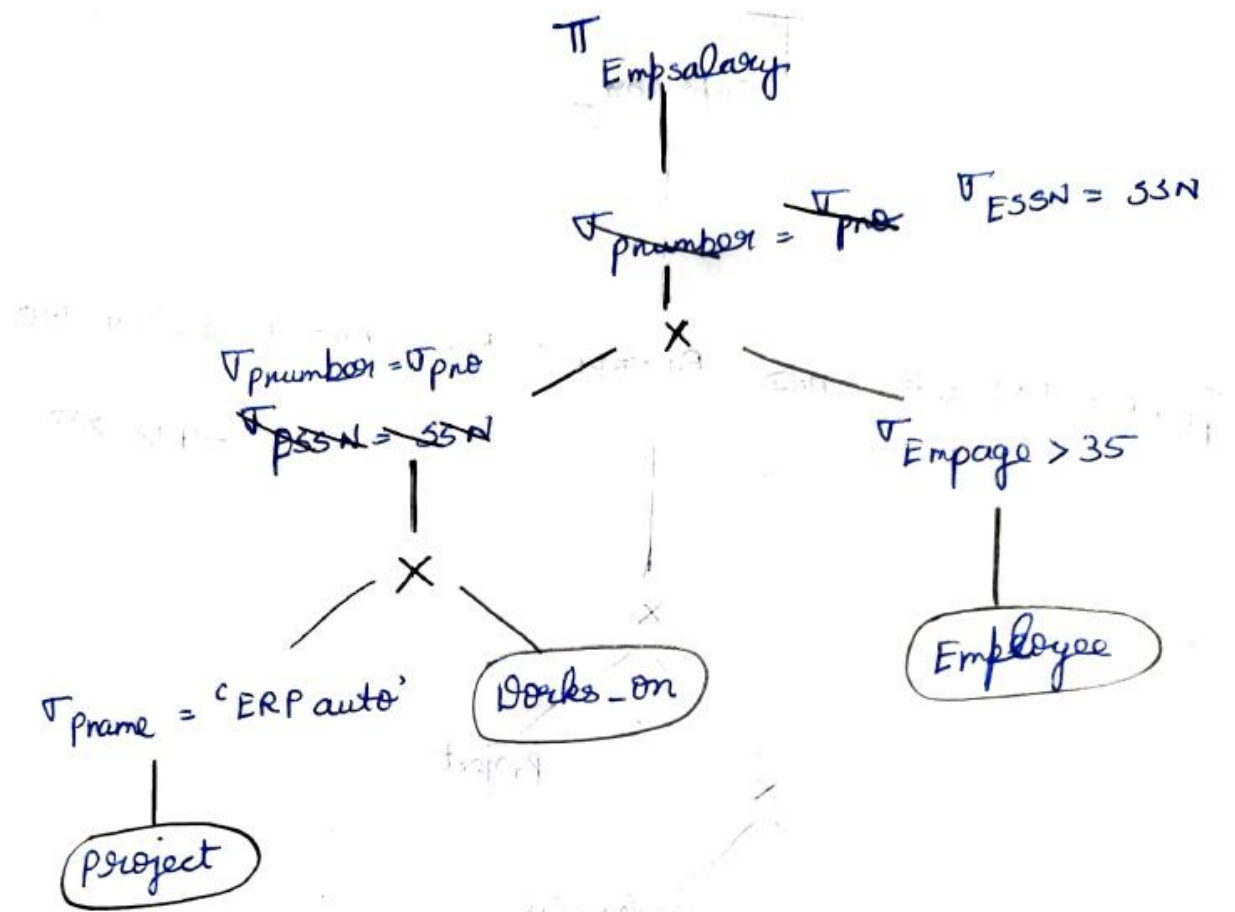


Moving the select operation down the query tree.

* Moving SELECT operation down the query tree

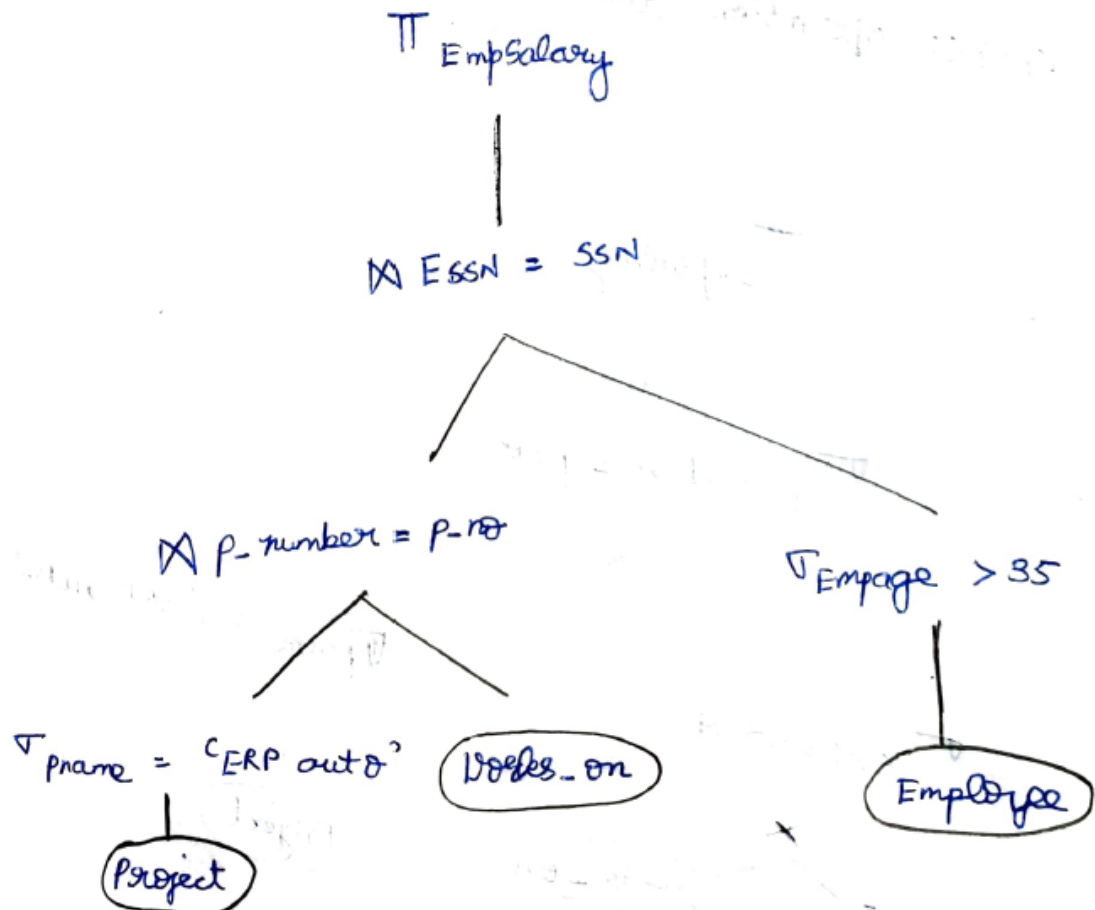


Applying more restrictive SELECT operation first.



Replacing CARTESIAN PRODUCT and SELECT with JOIN operations.

d) Replacing CARTESIAN PRODUCT and SELECT with JOIN operation



Moving PROJECT operations down the query tree.

