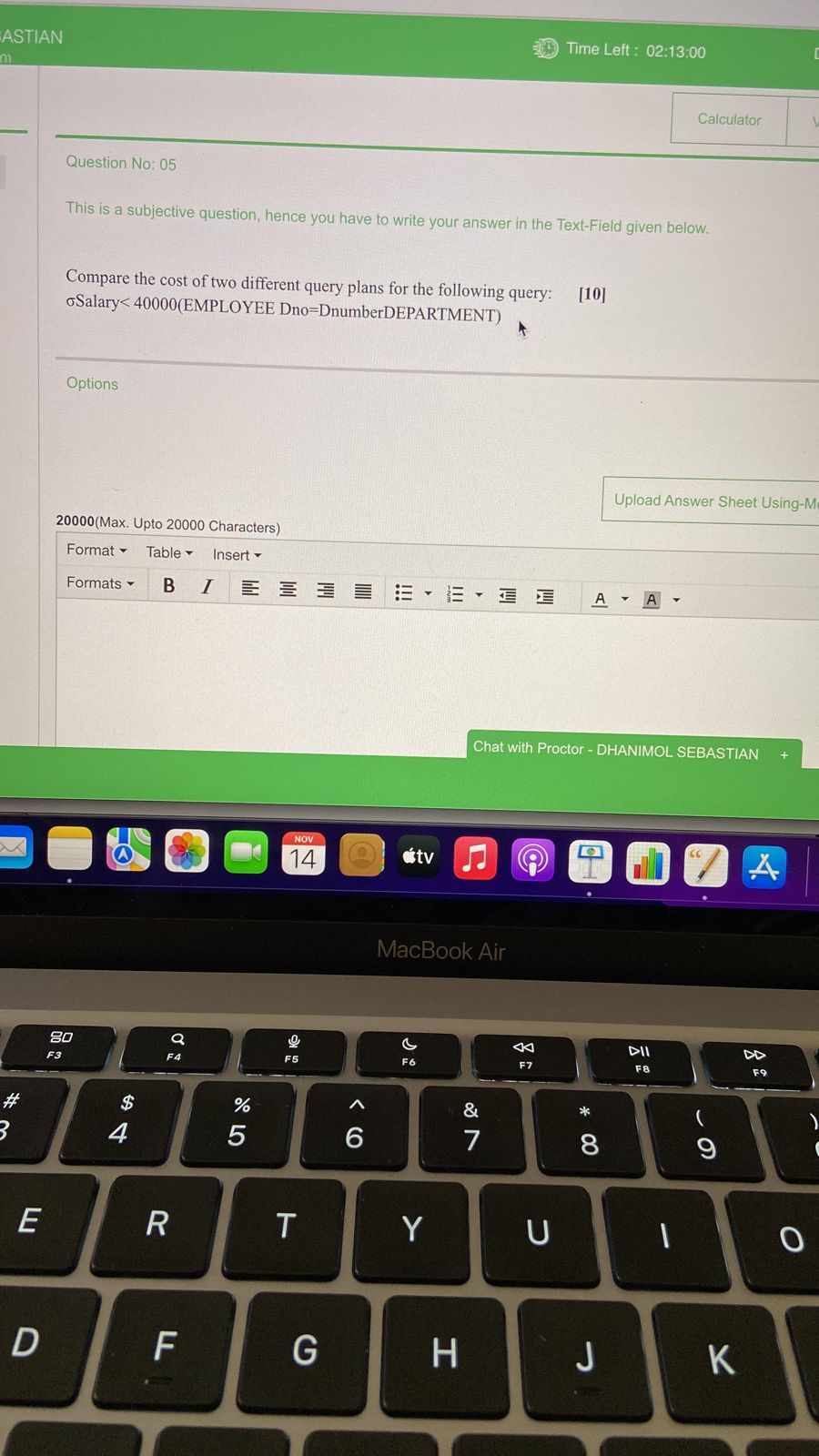
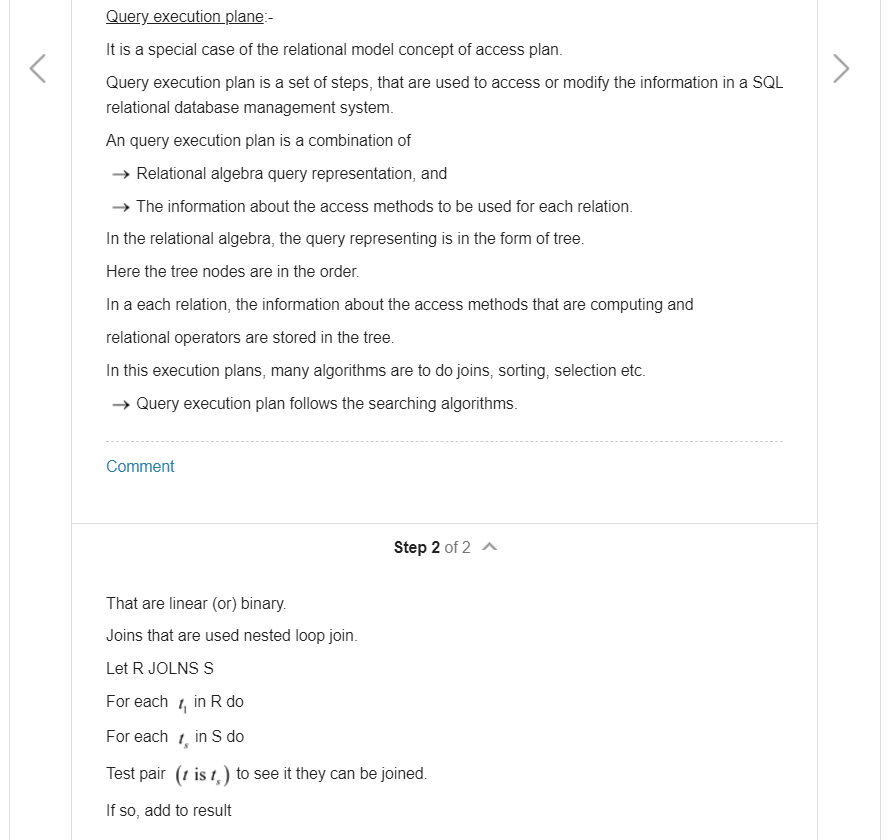
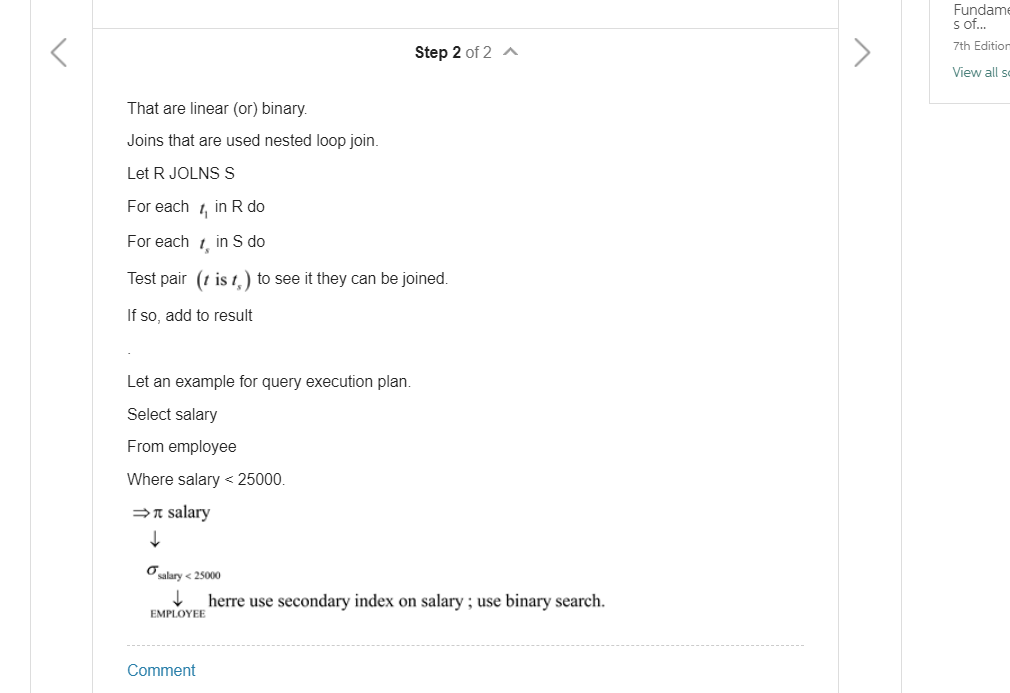
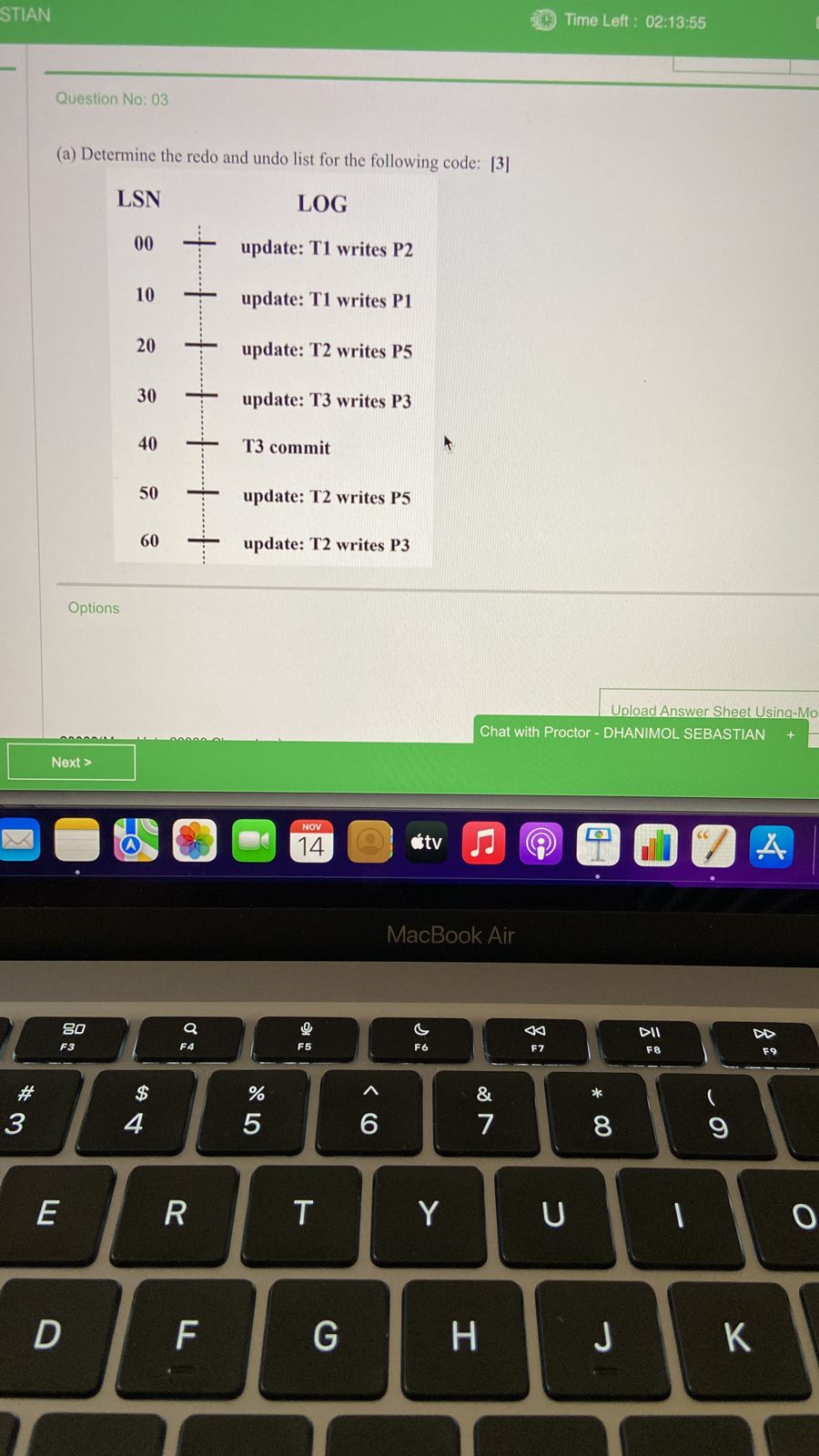
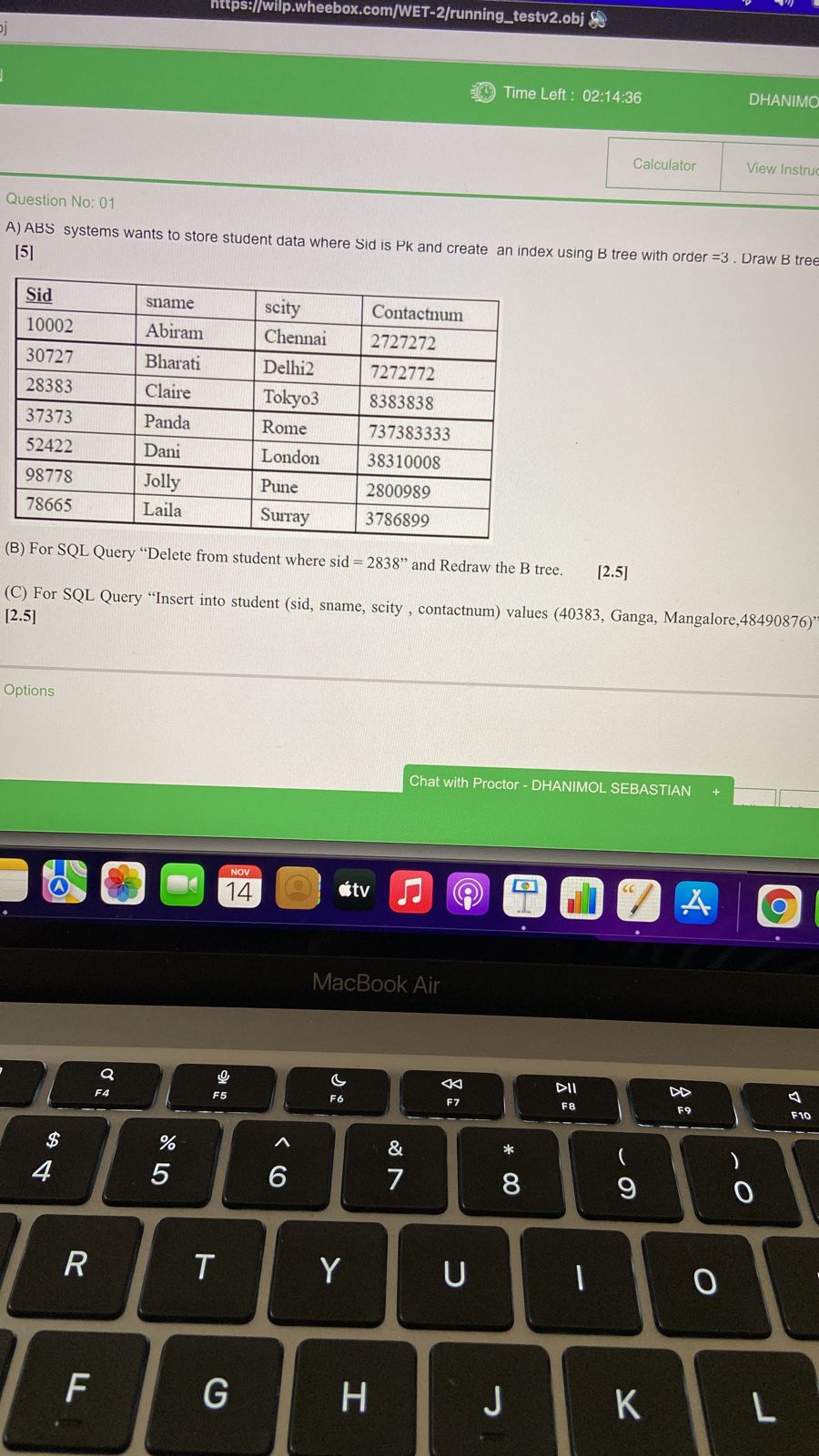
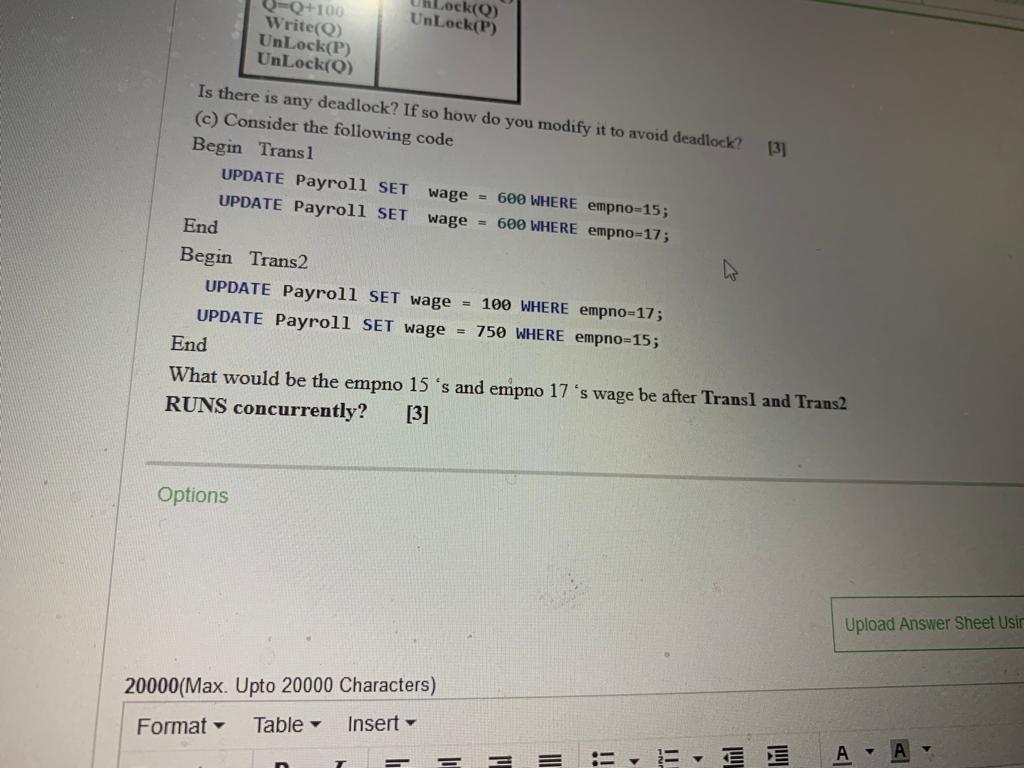
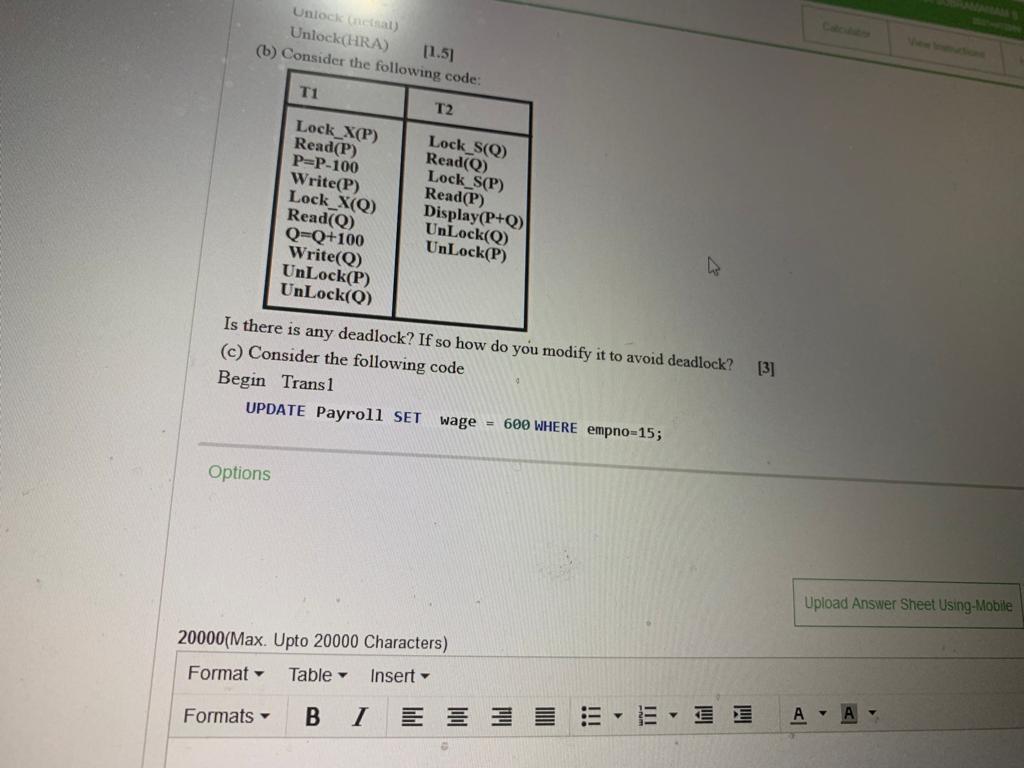
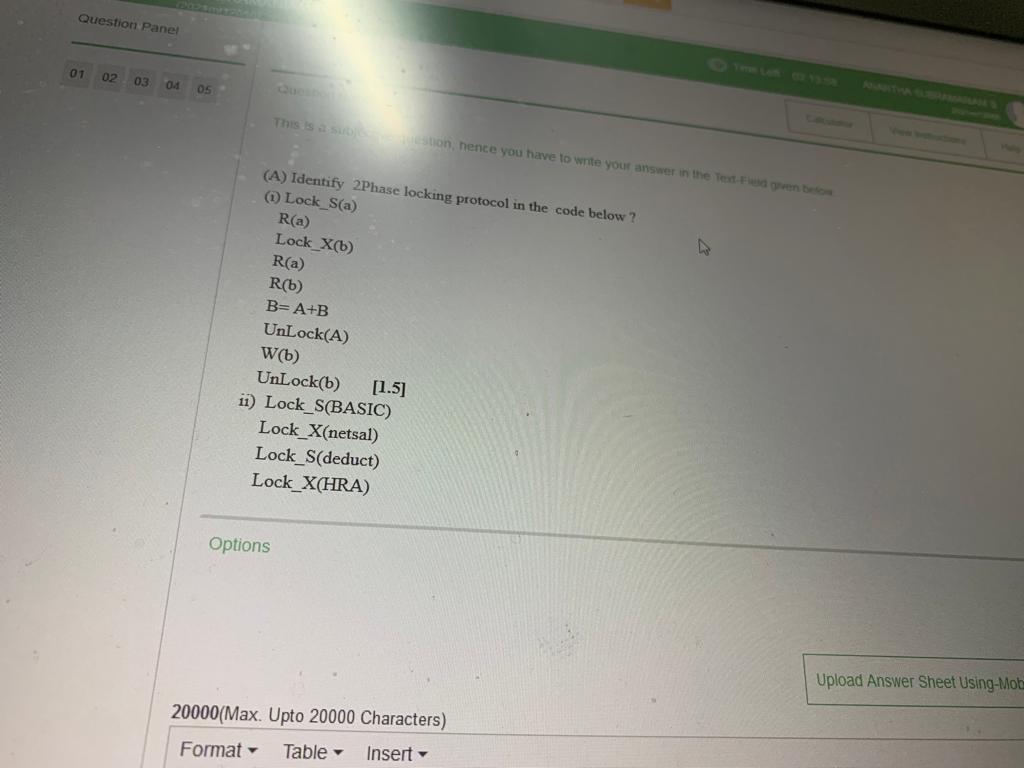
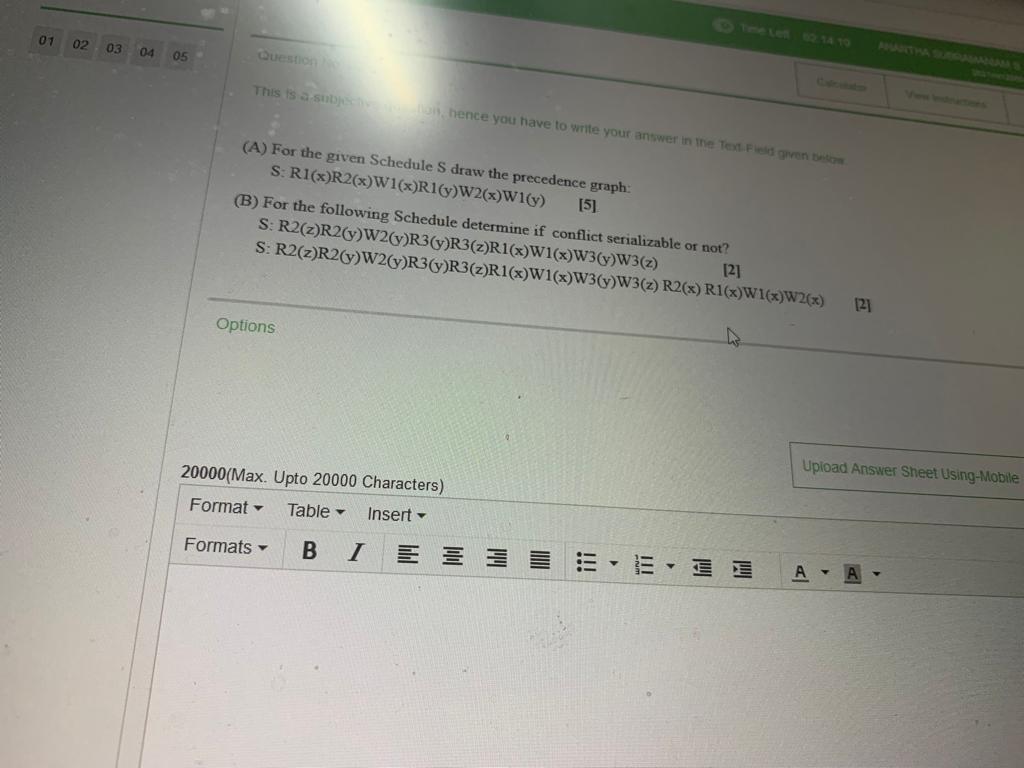
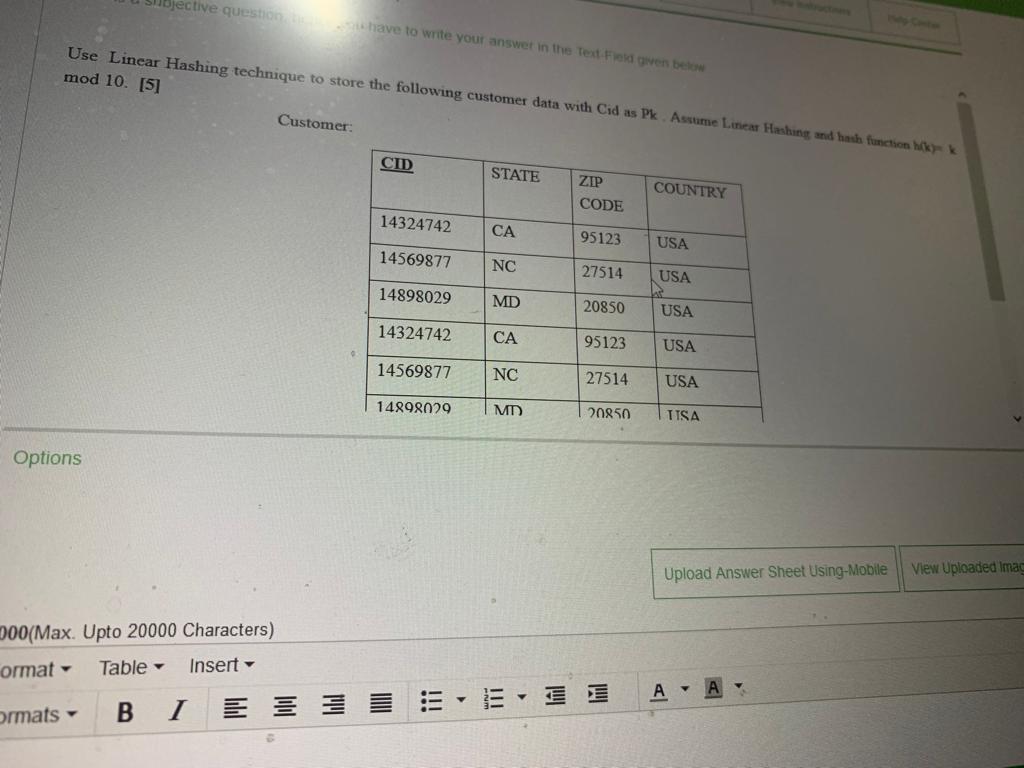
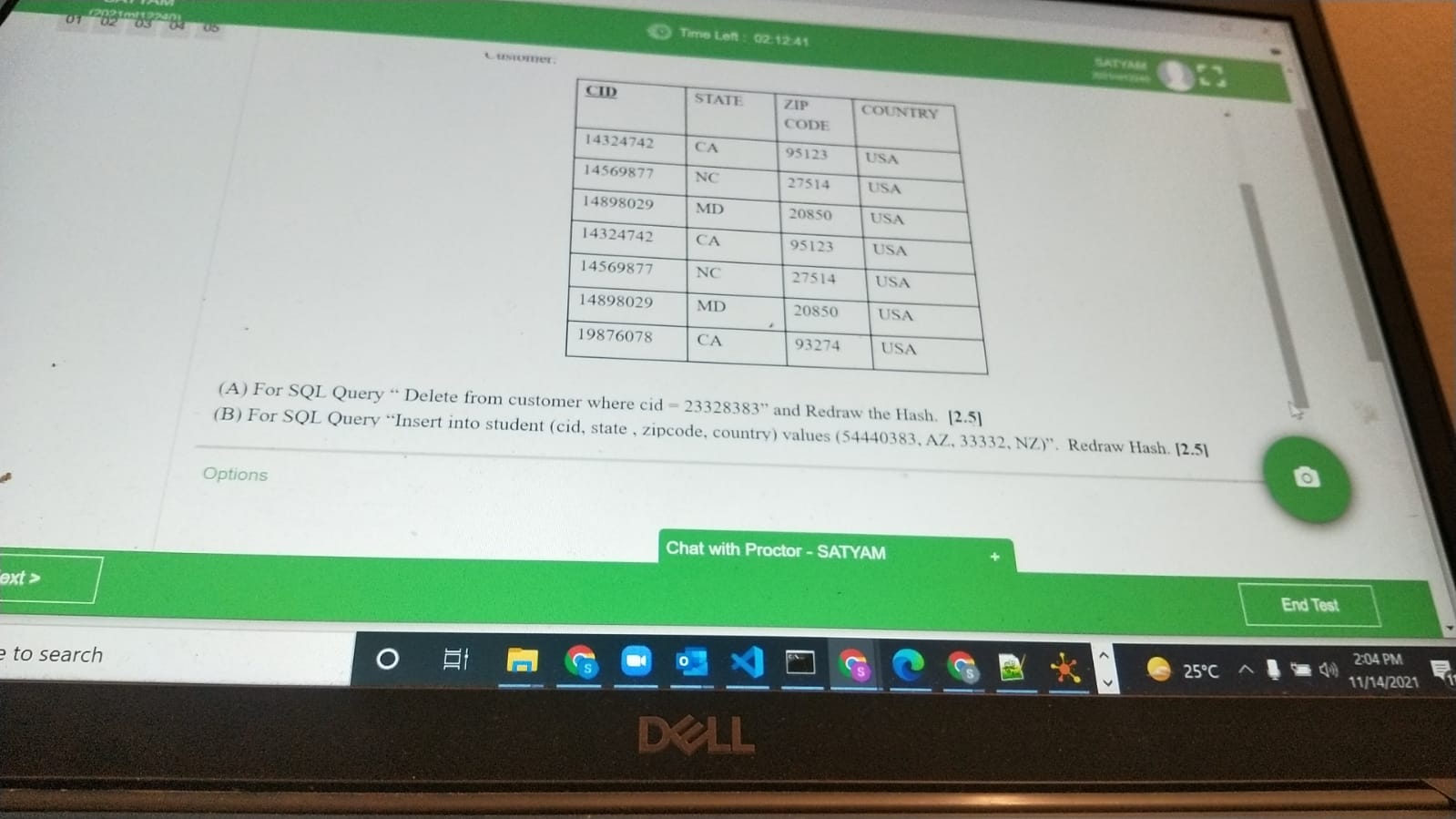
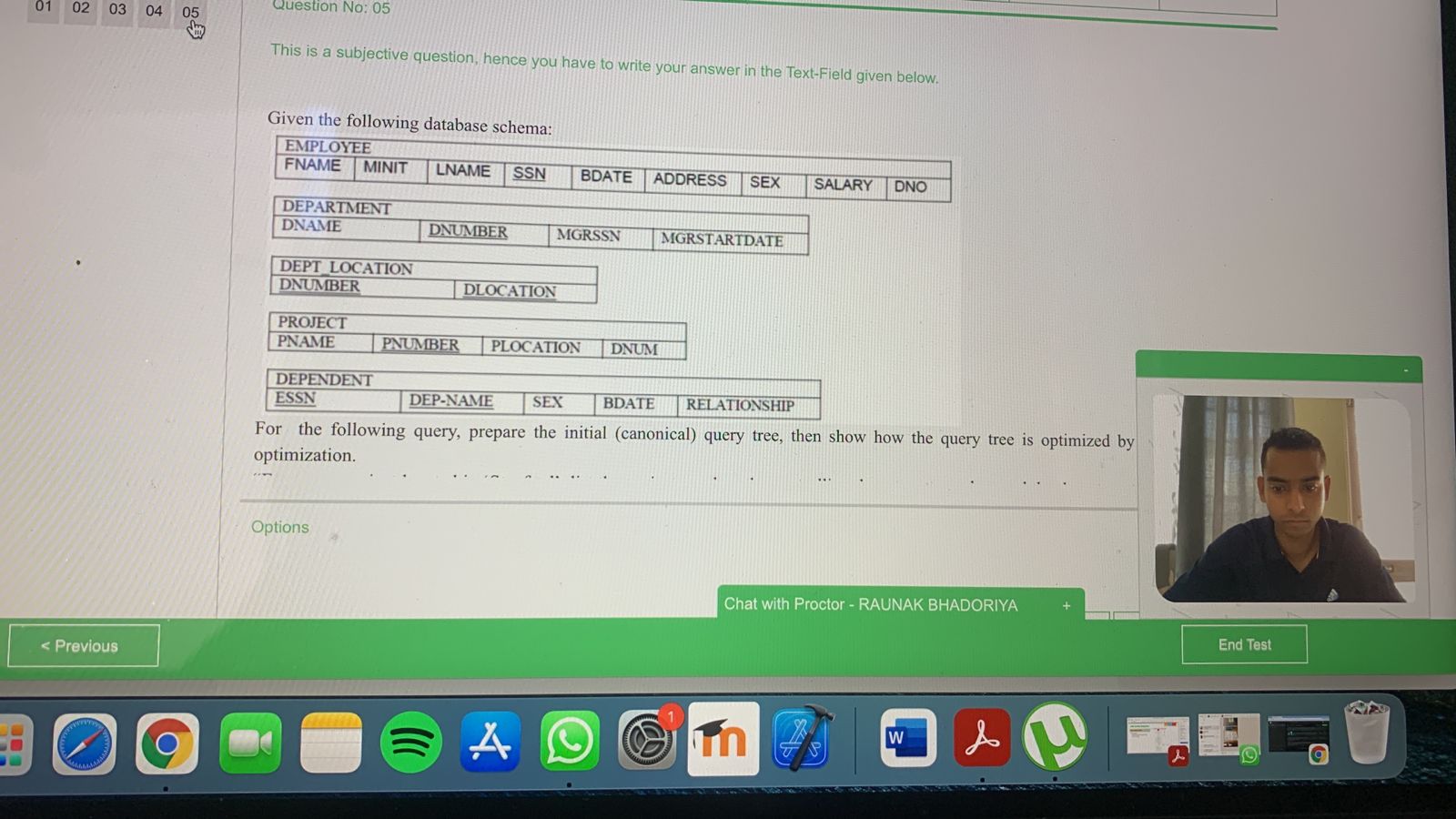
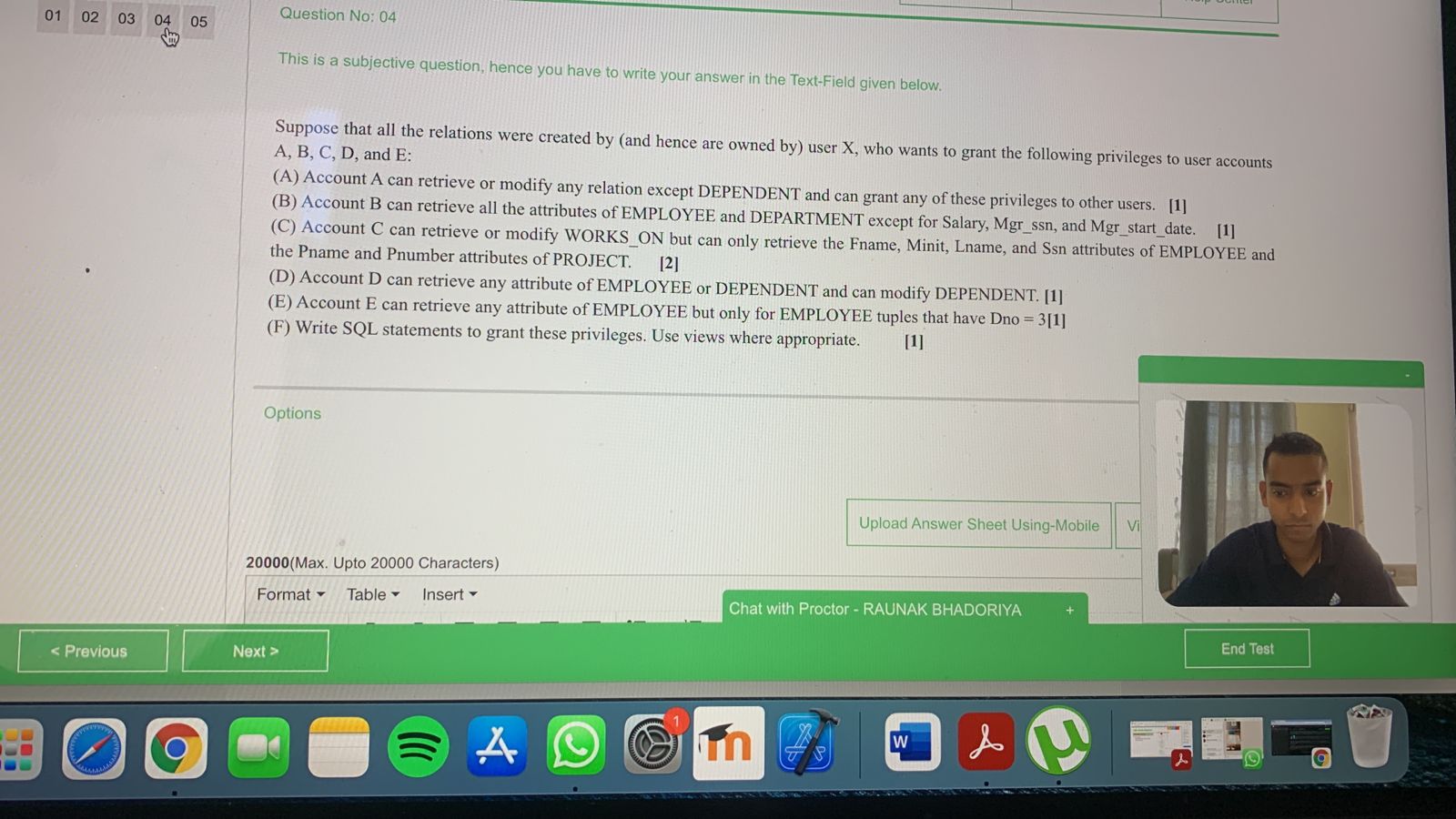
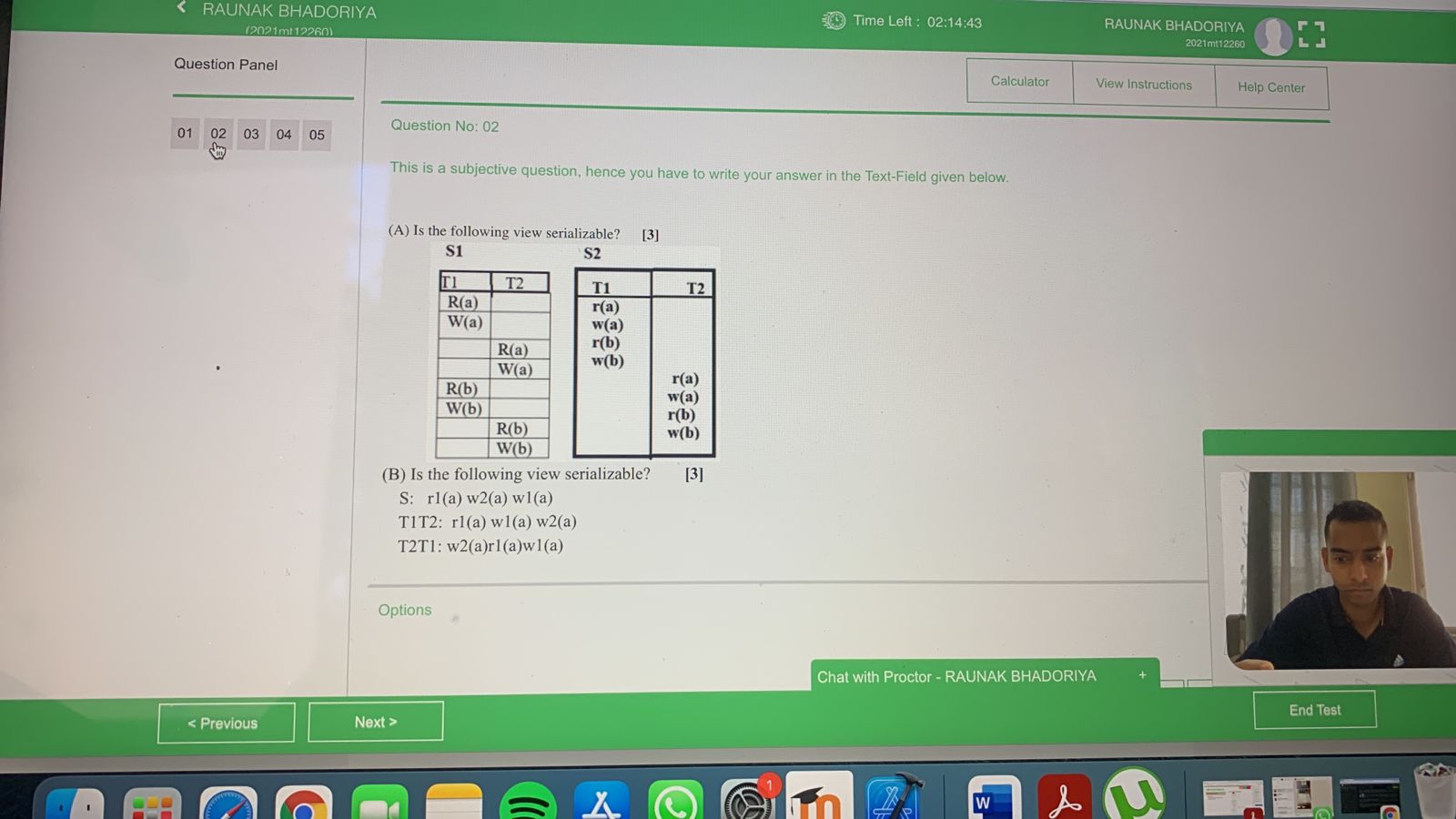
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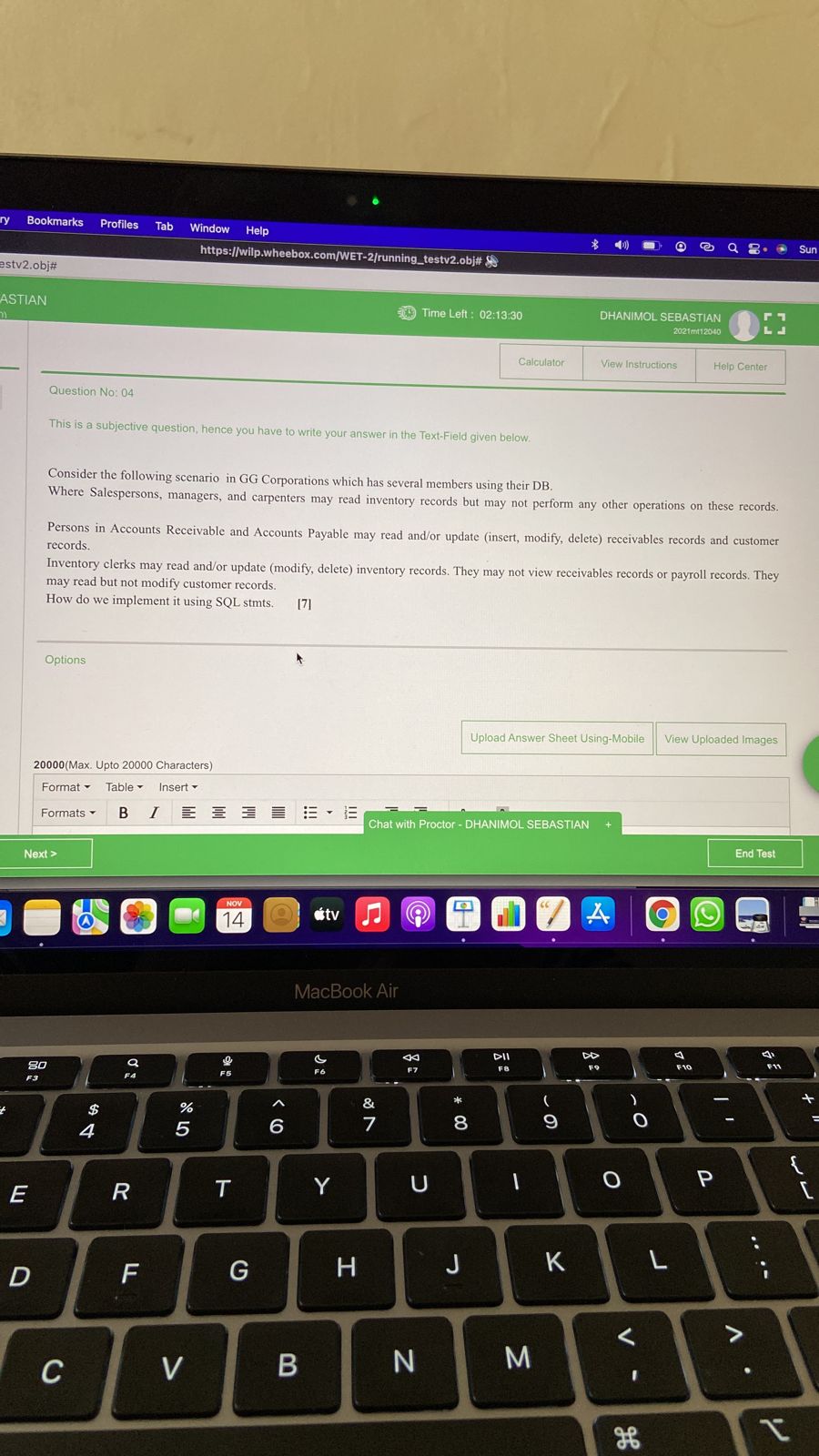


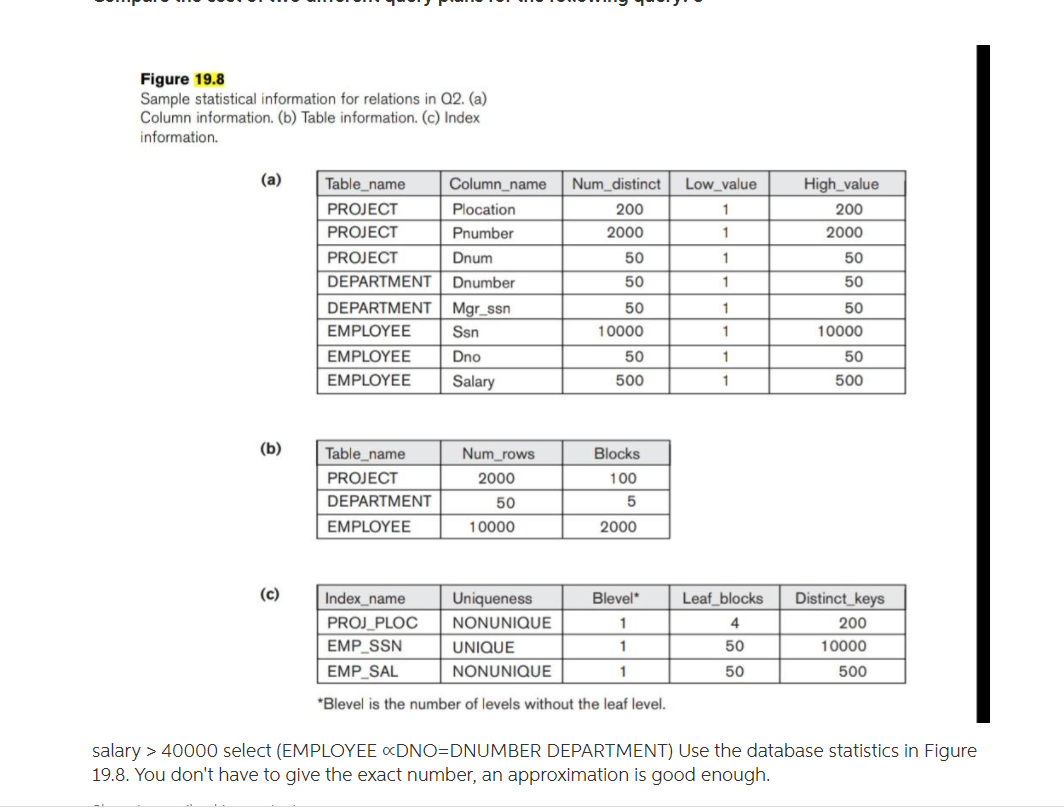


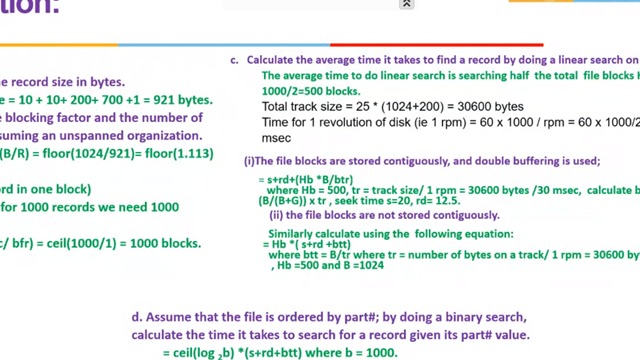


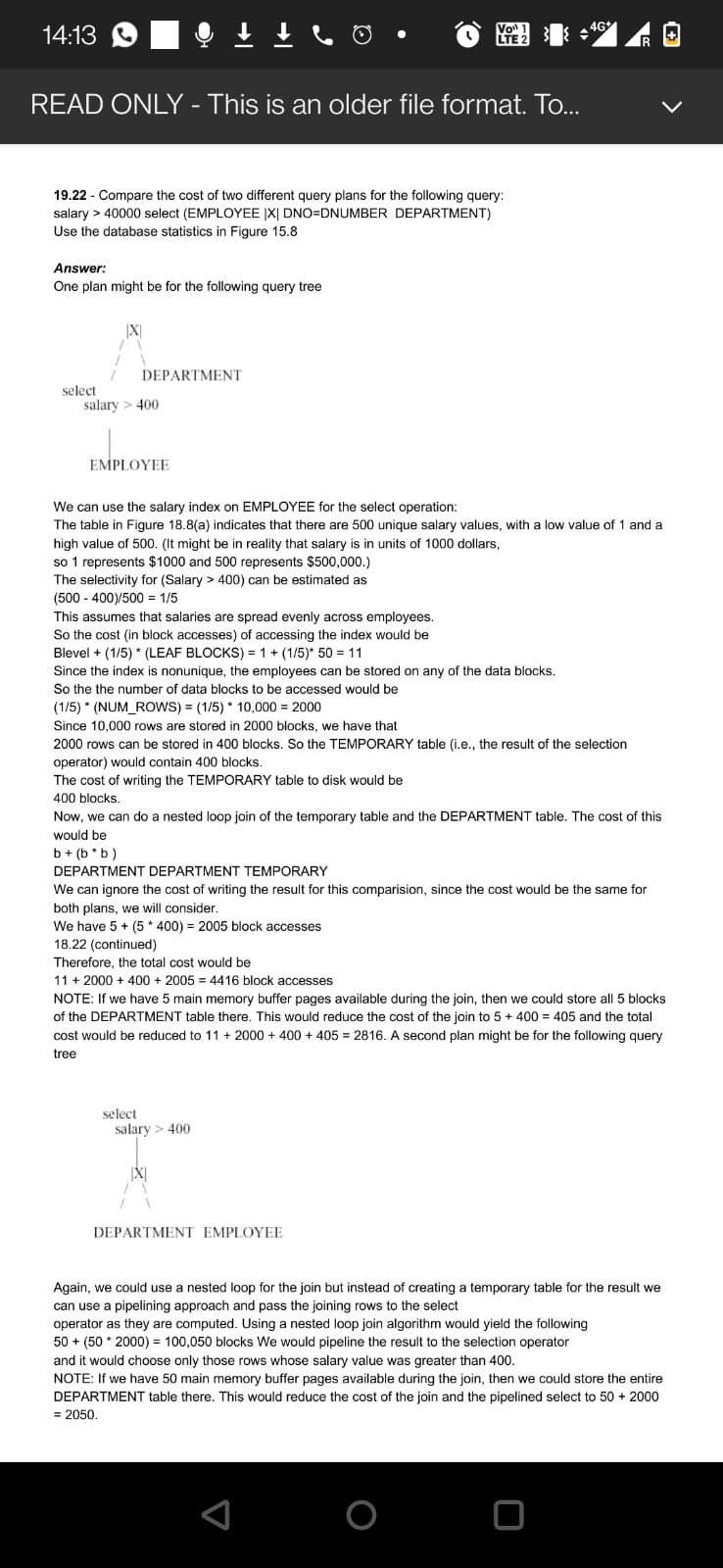


<https://www.chegg.com/homework-help/questions-and-answers/1-12-points-consider-following-actions-taken-transaction-t1-database-objects-x-y-r-x-w-x-w-q23357458>

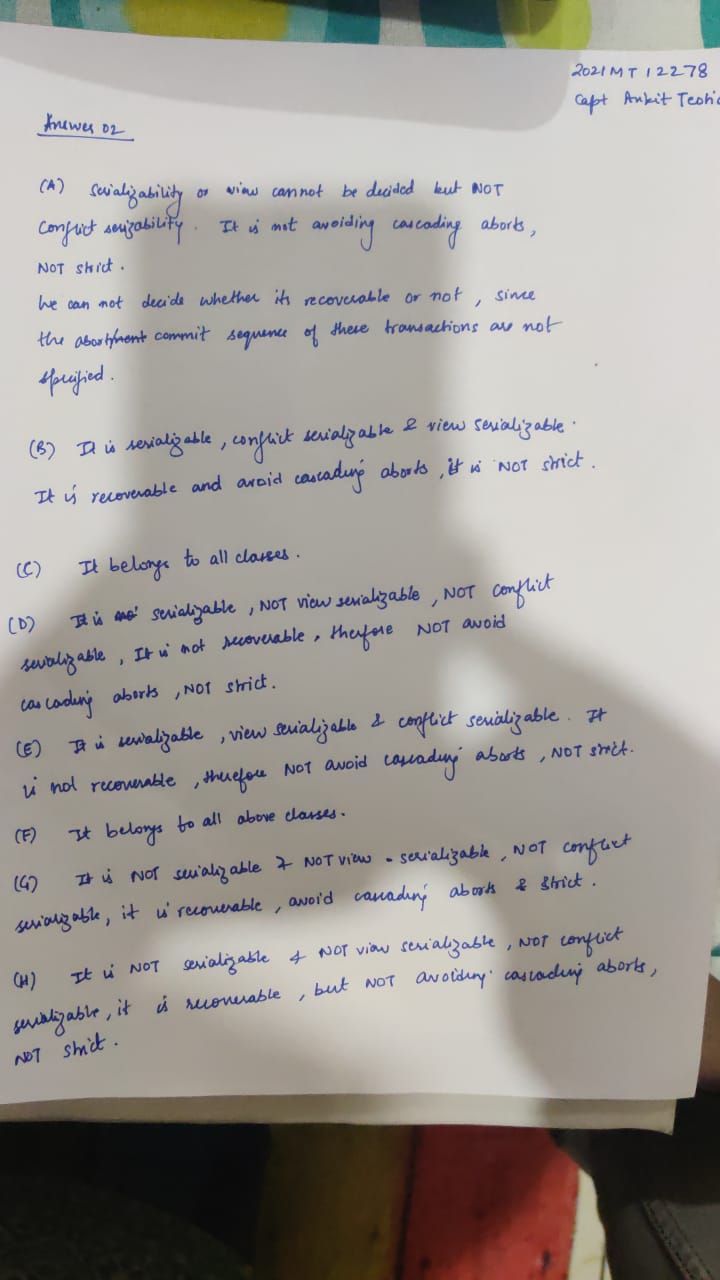


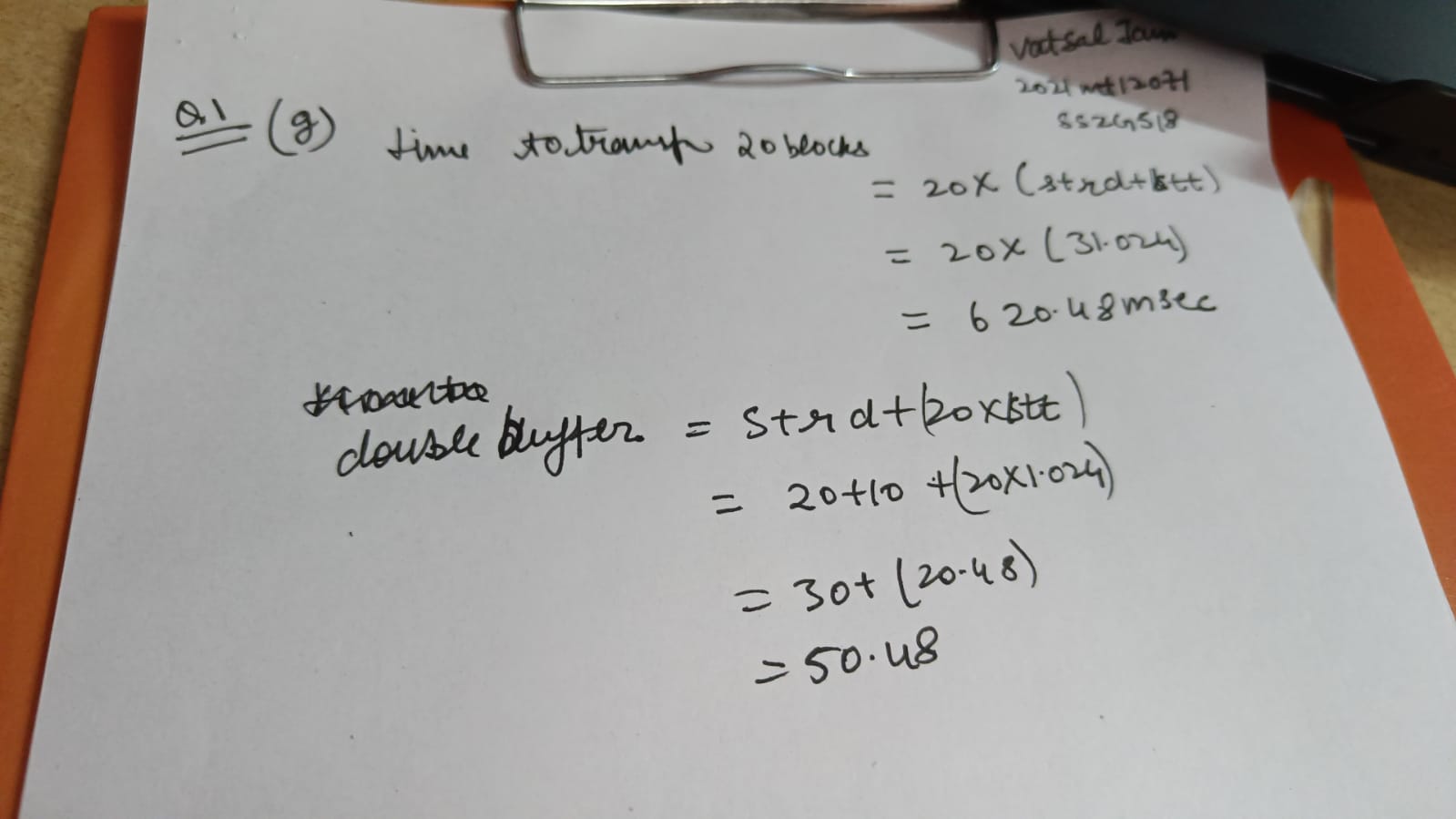
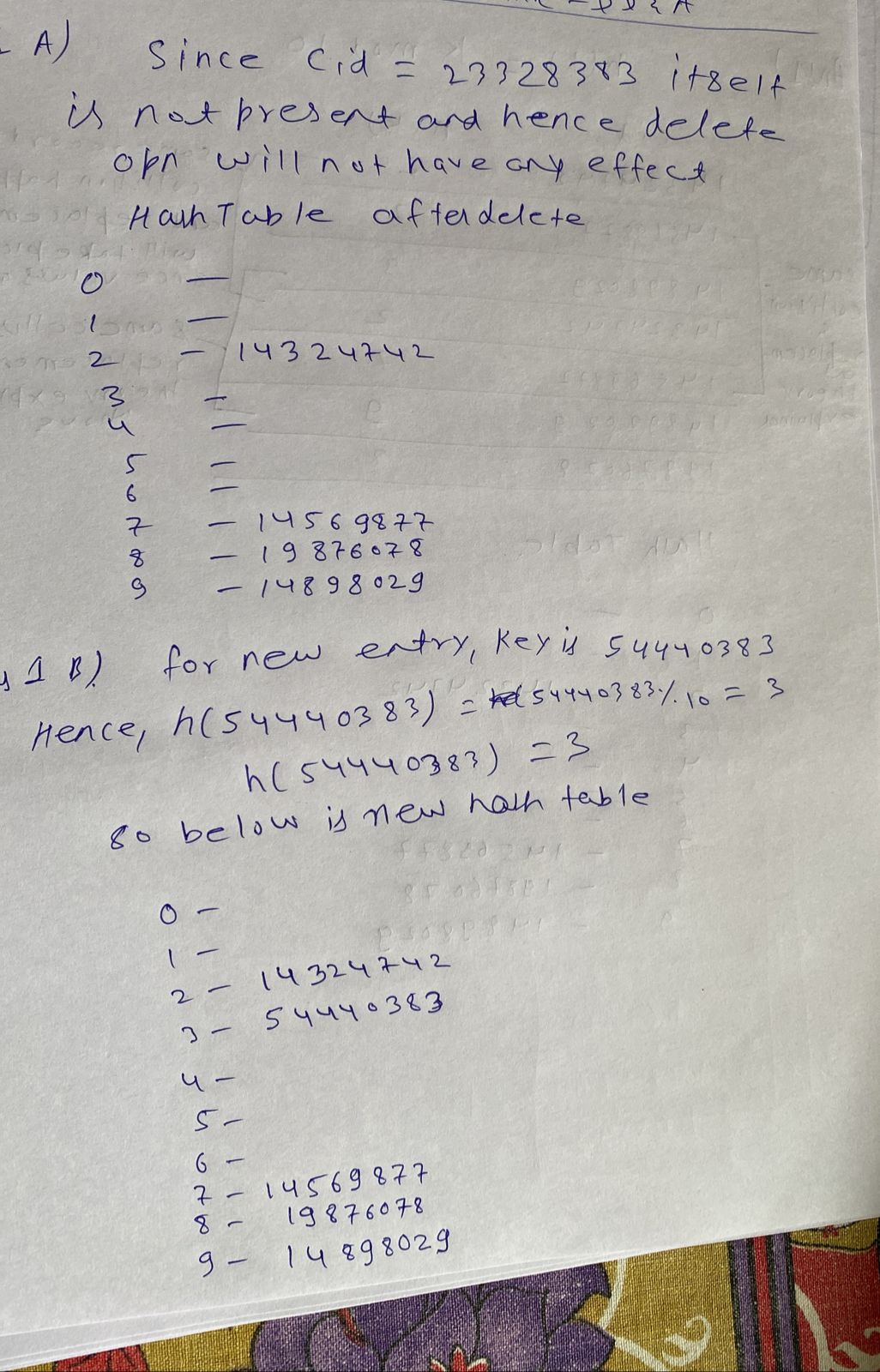
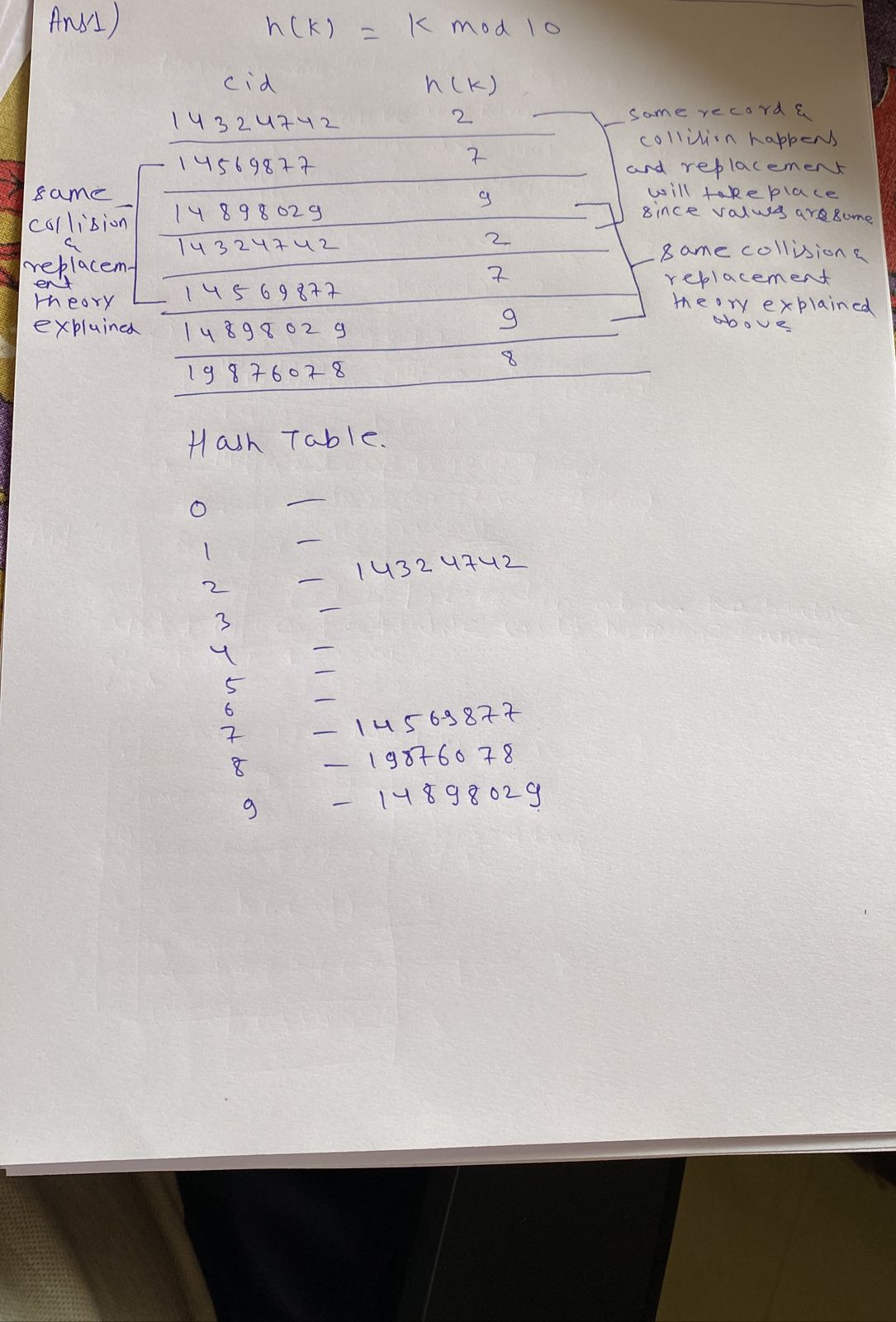
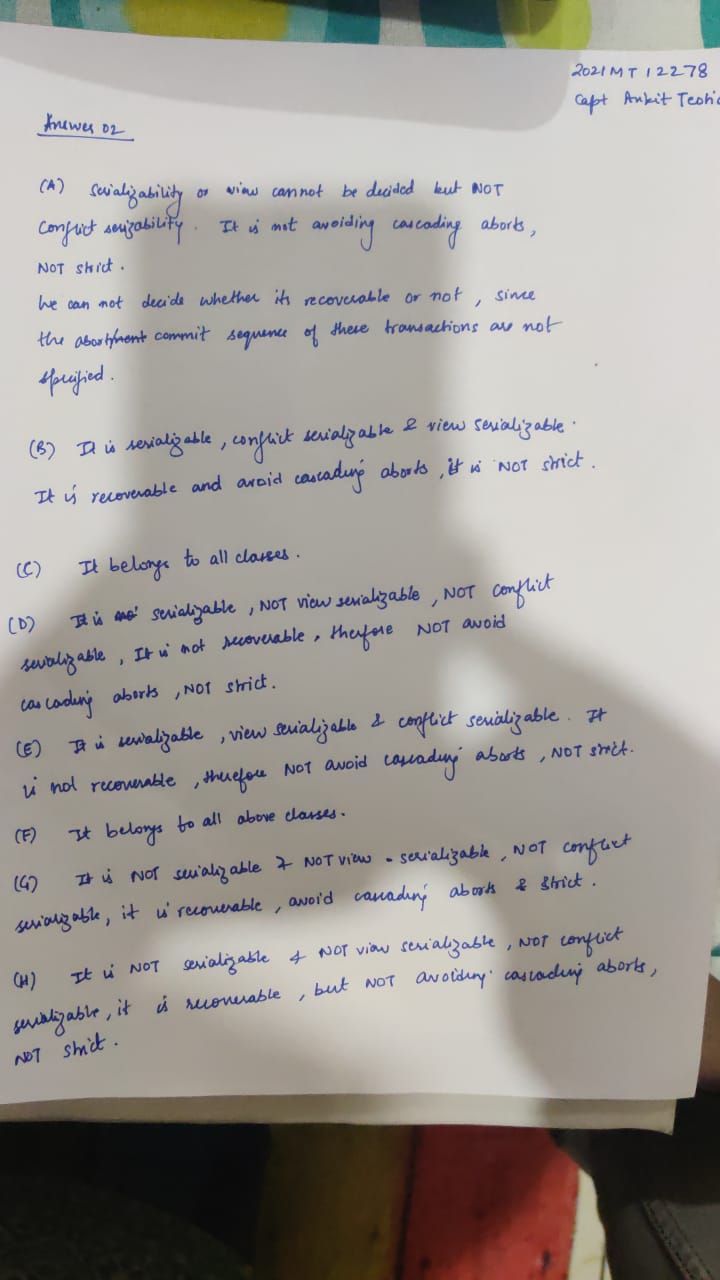


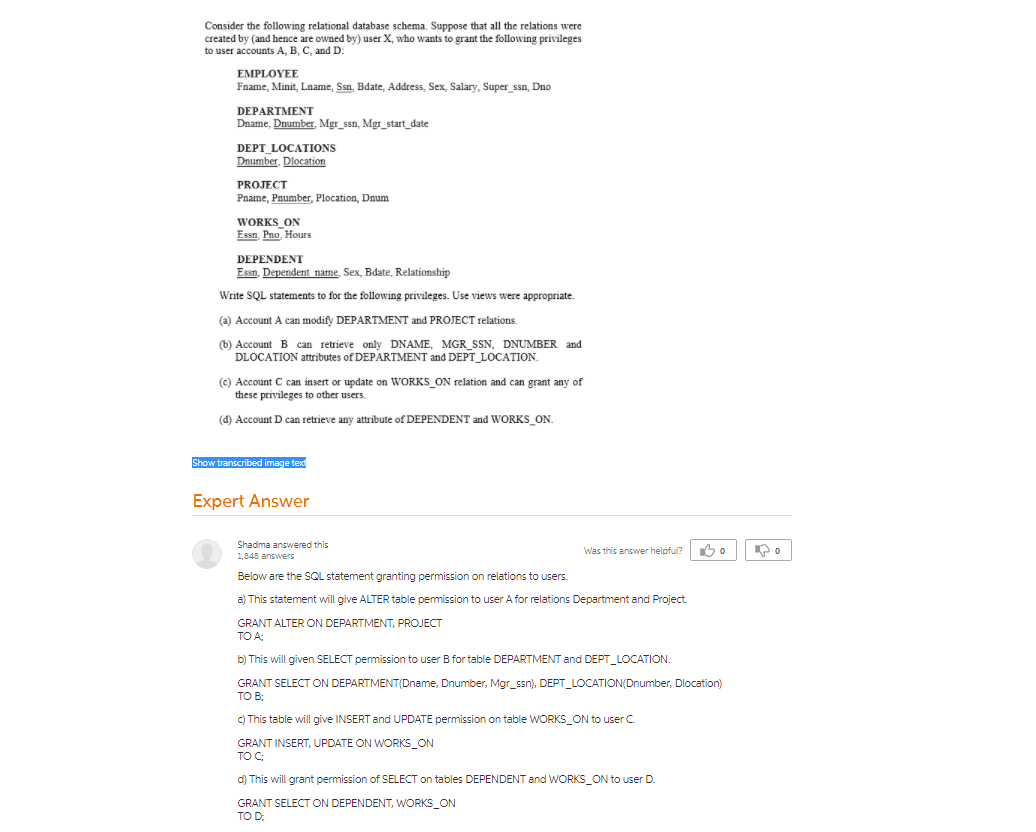


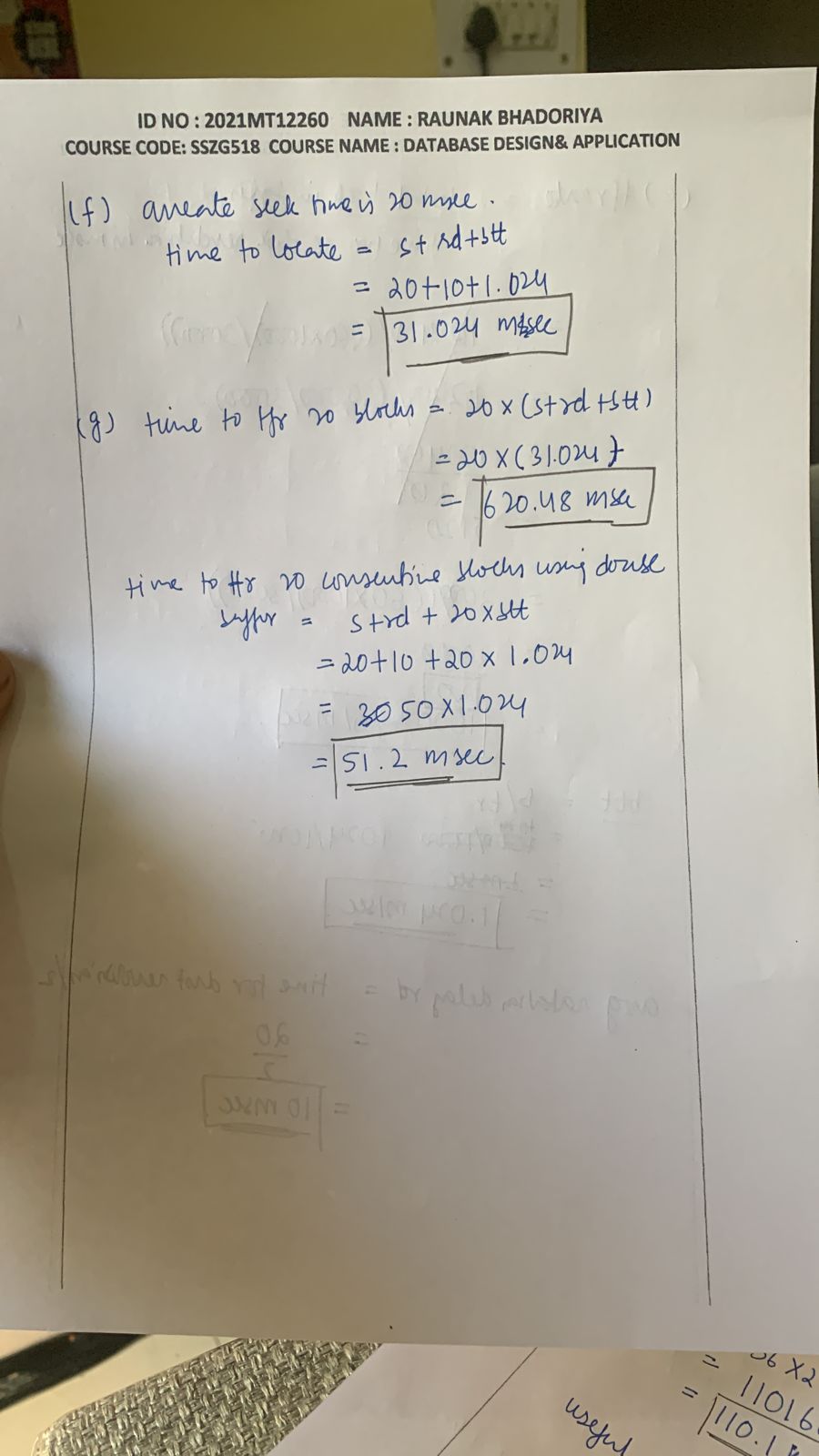
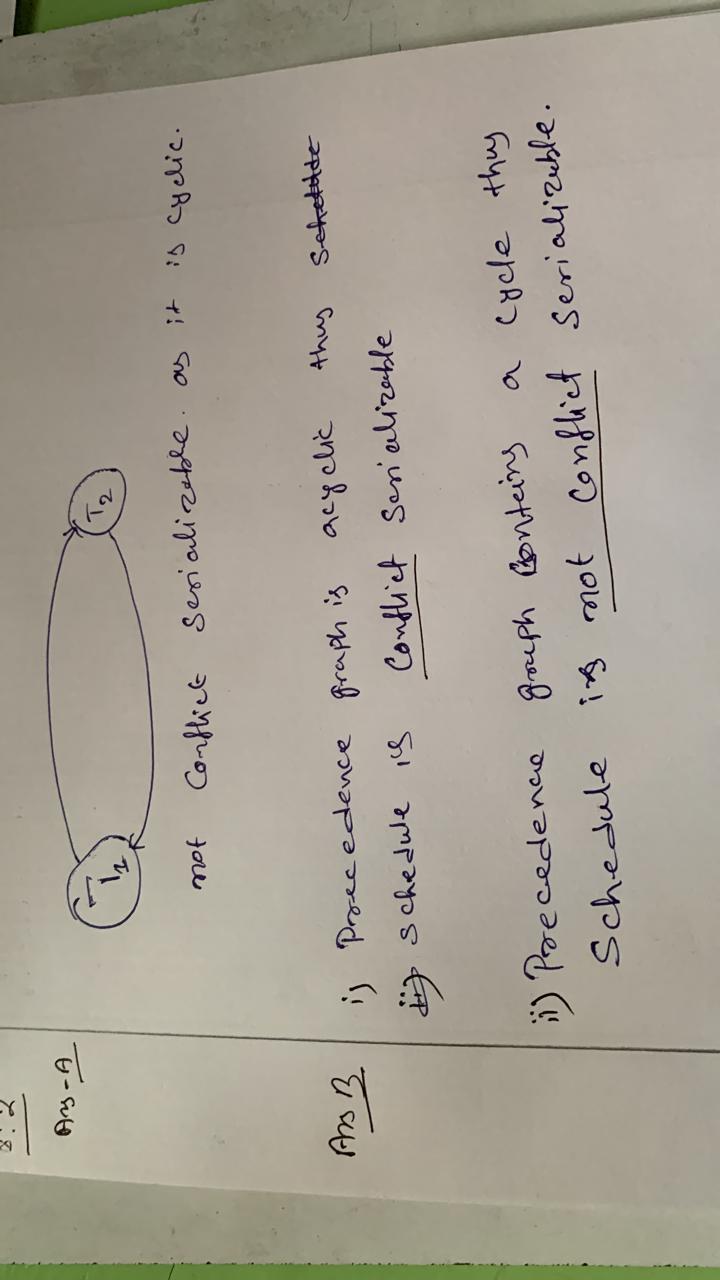
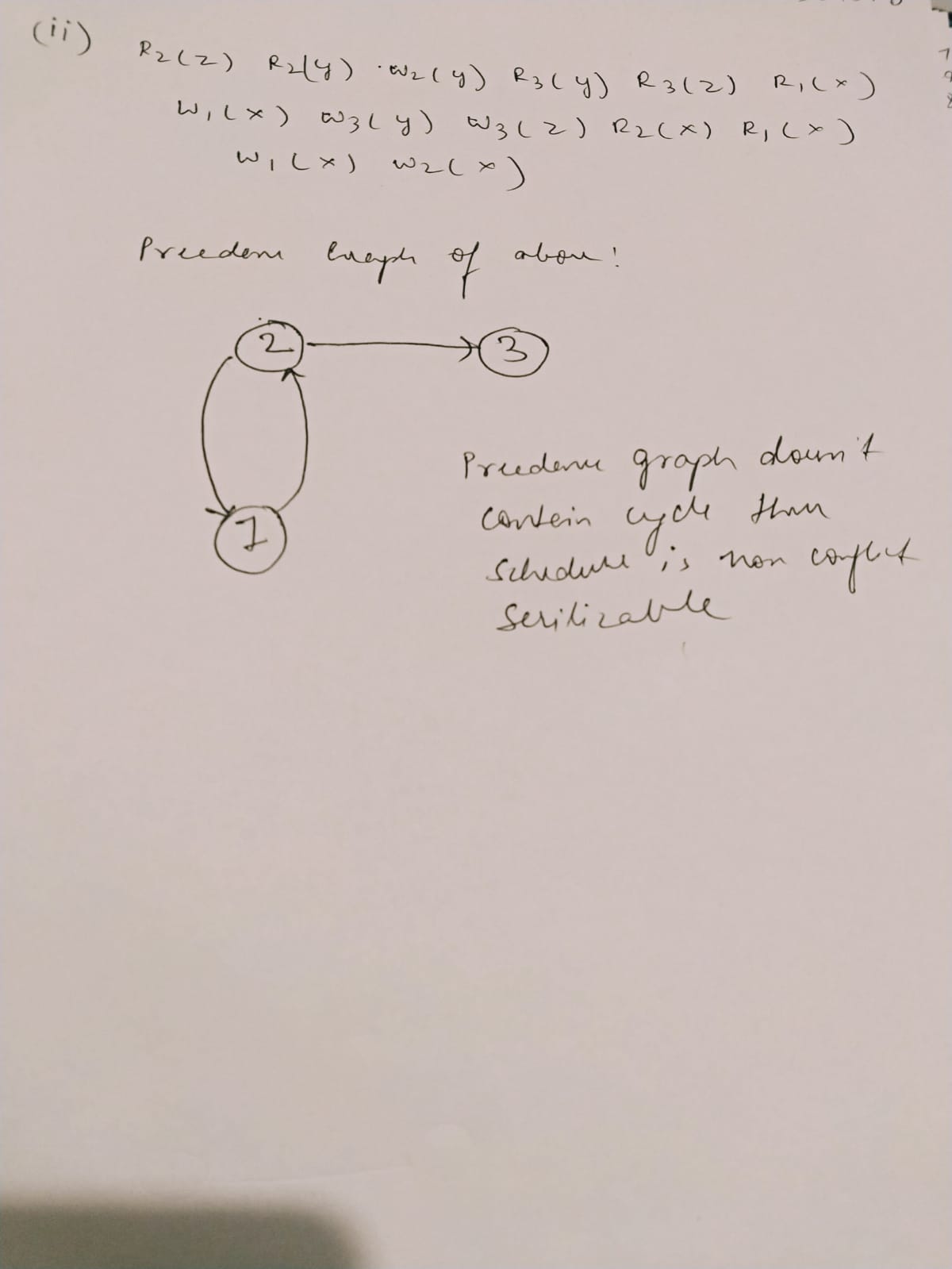
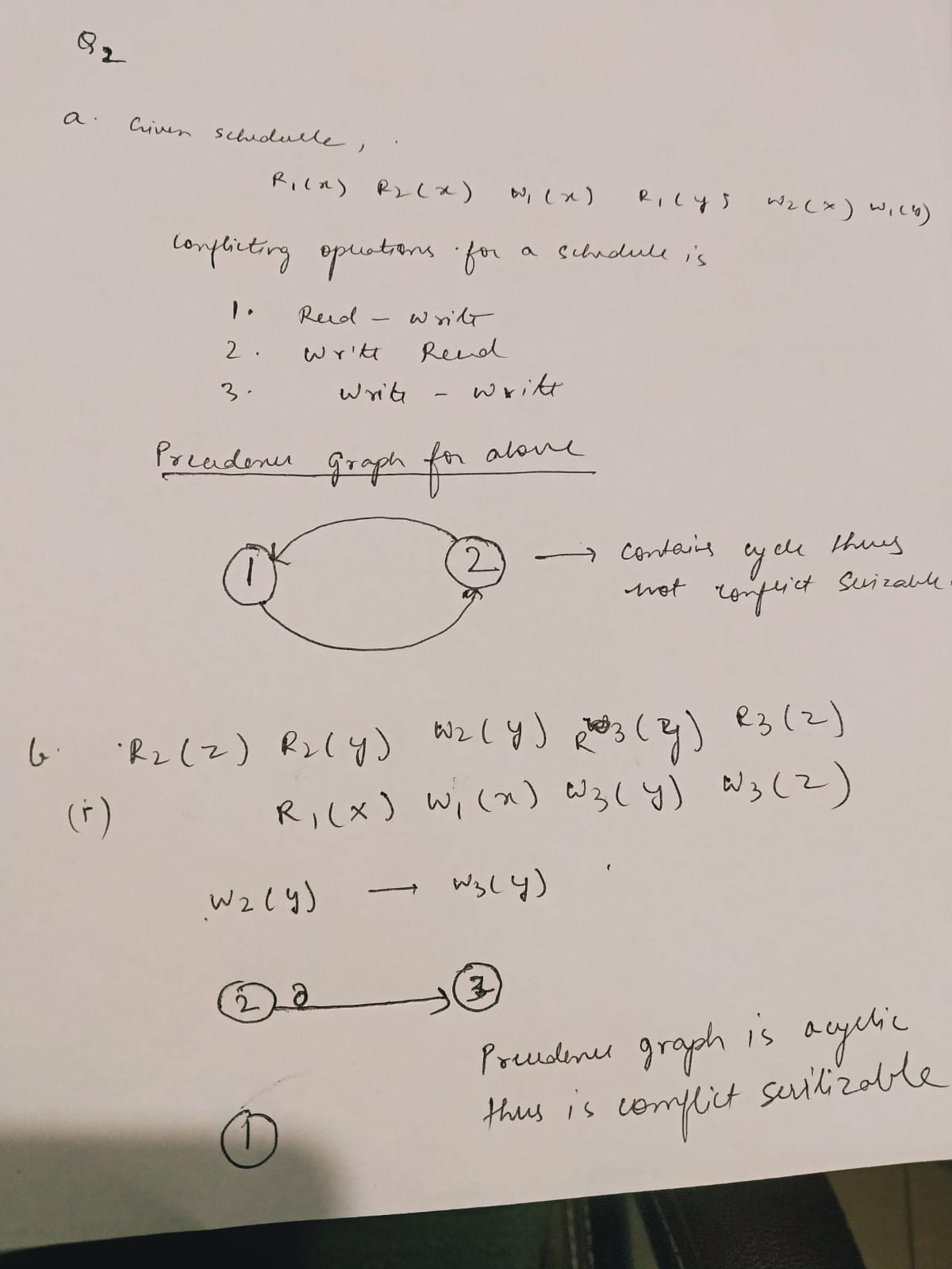


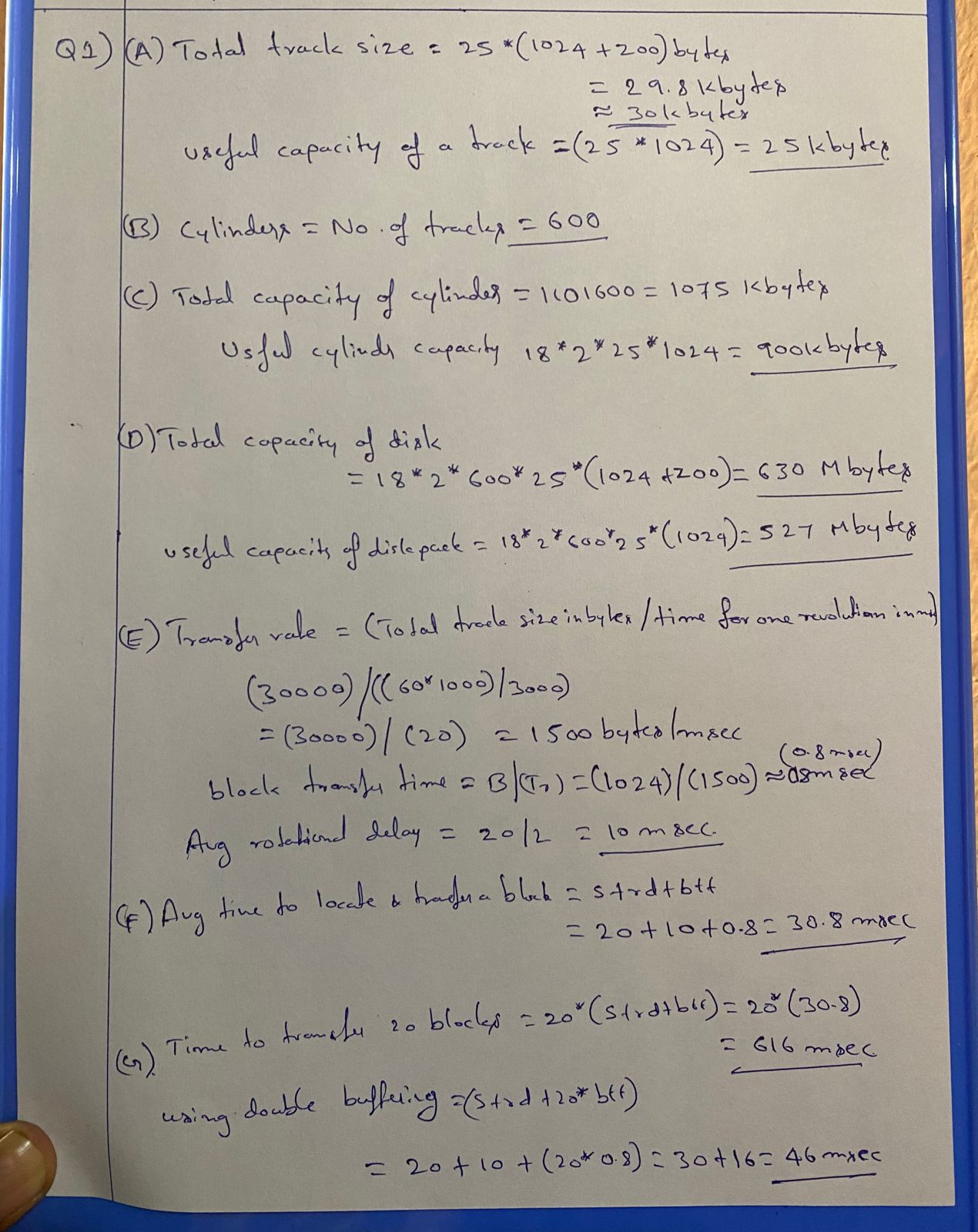














Heuristic (or rule-based) optimization transforms a given query

tree by using a set of rules that typically (but not in all cases)

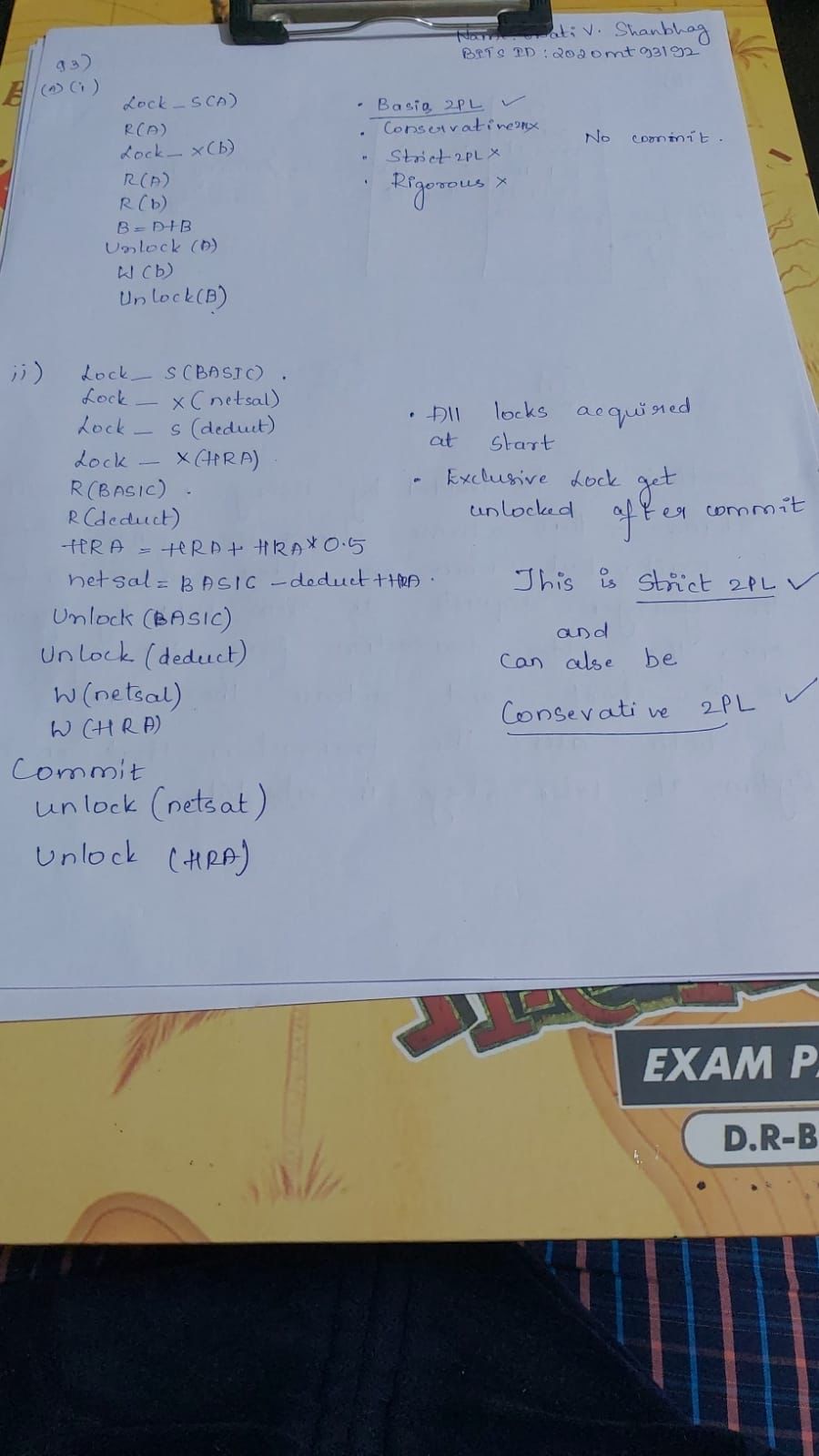
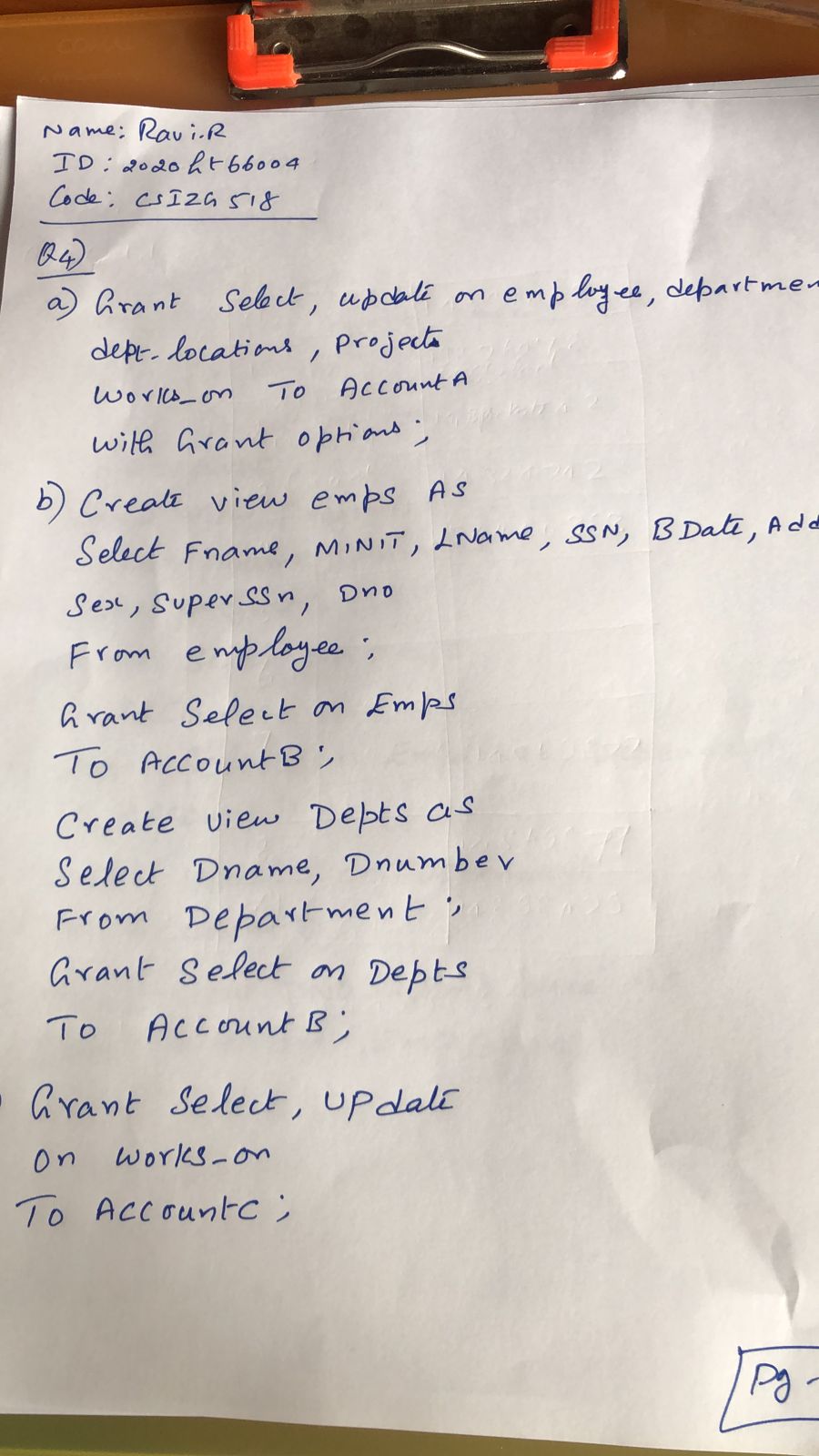
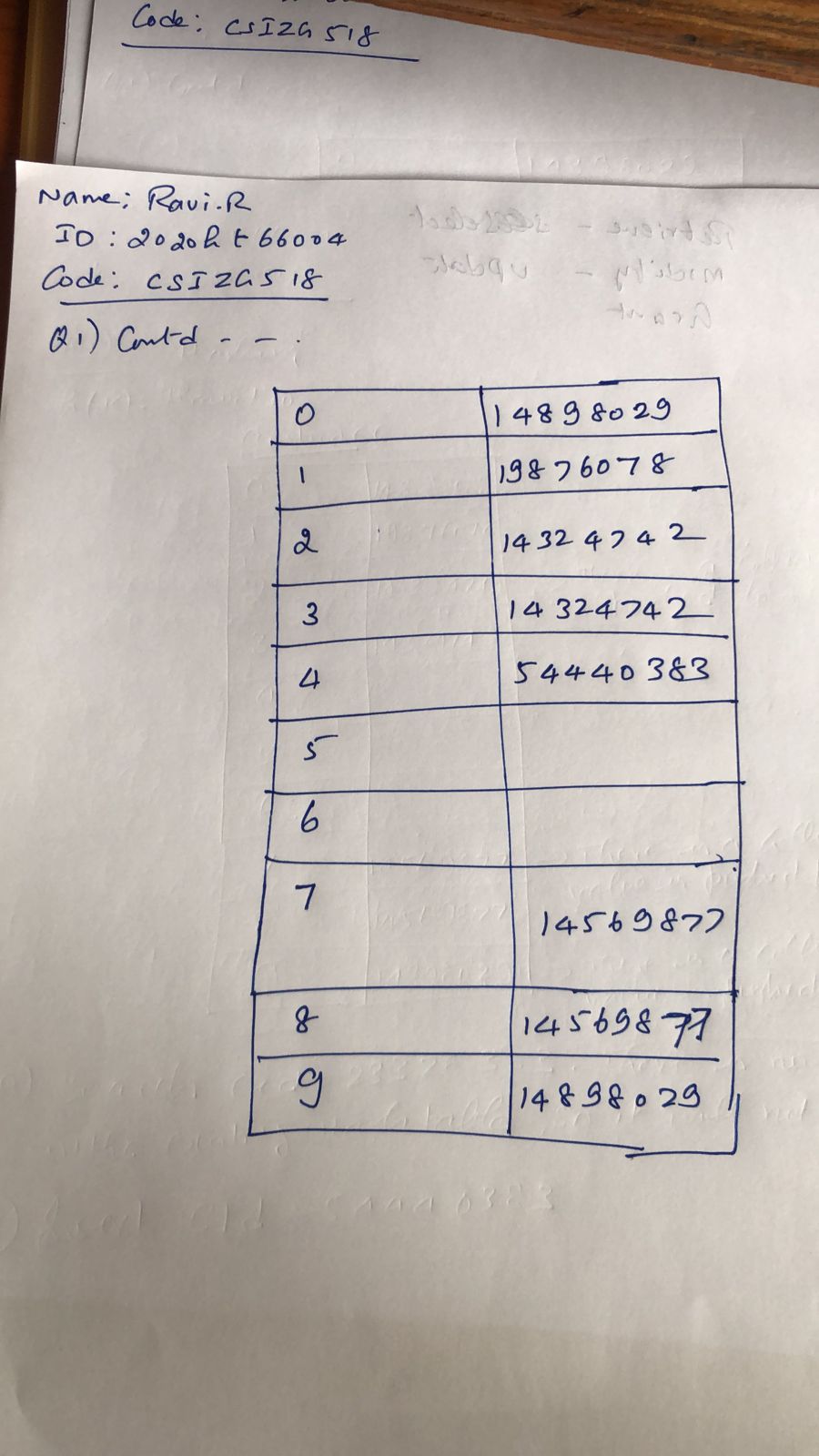
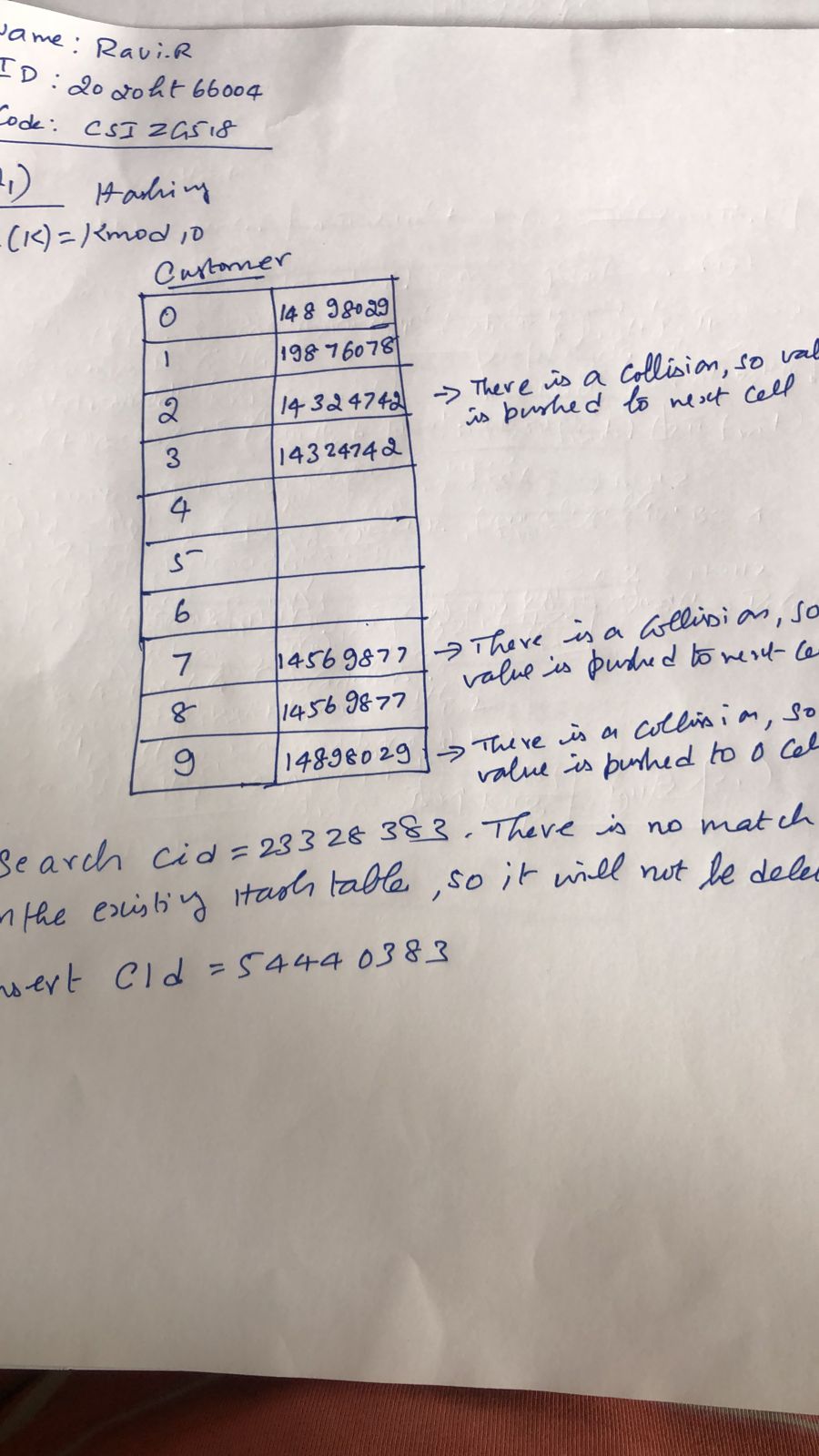
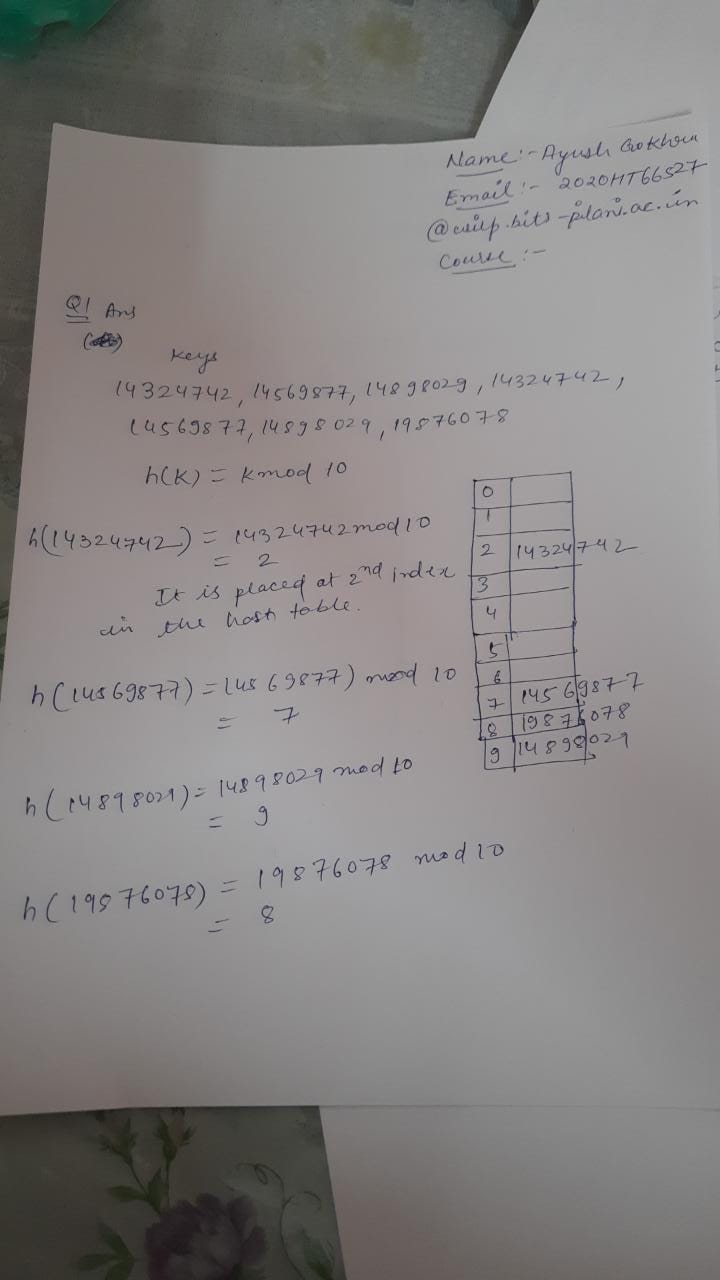
improve execution performance:

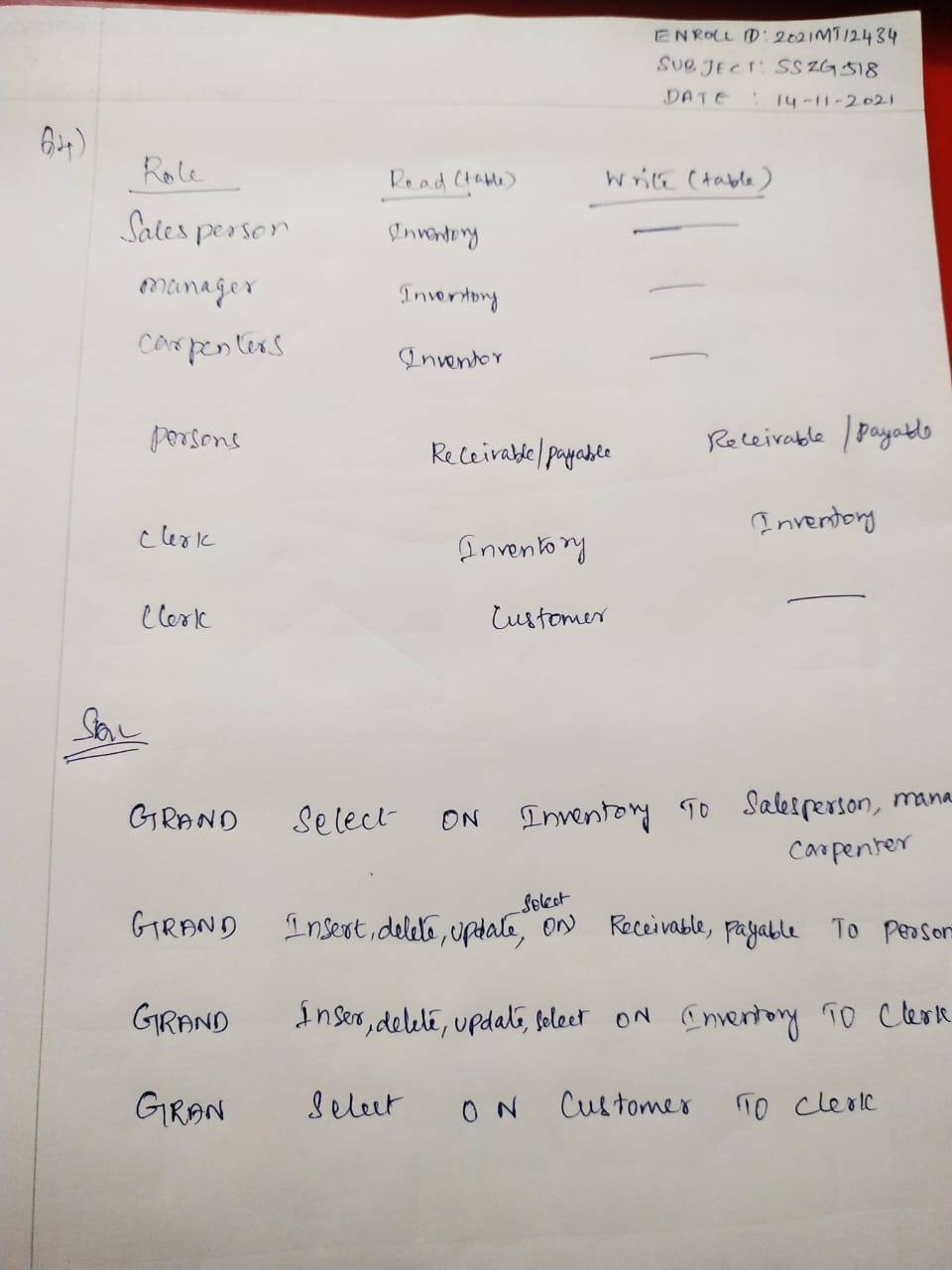
{ Perform selection early (reduces number of tuples)

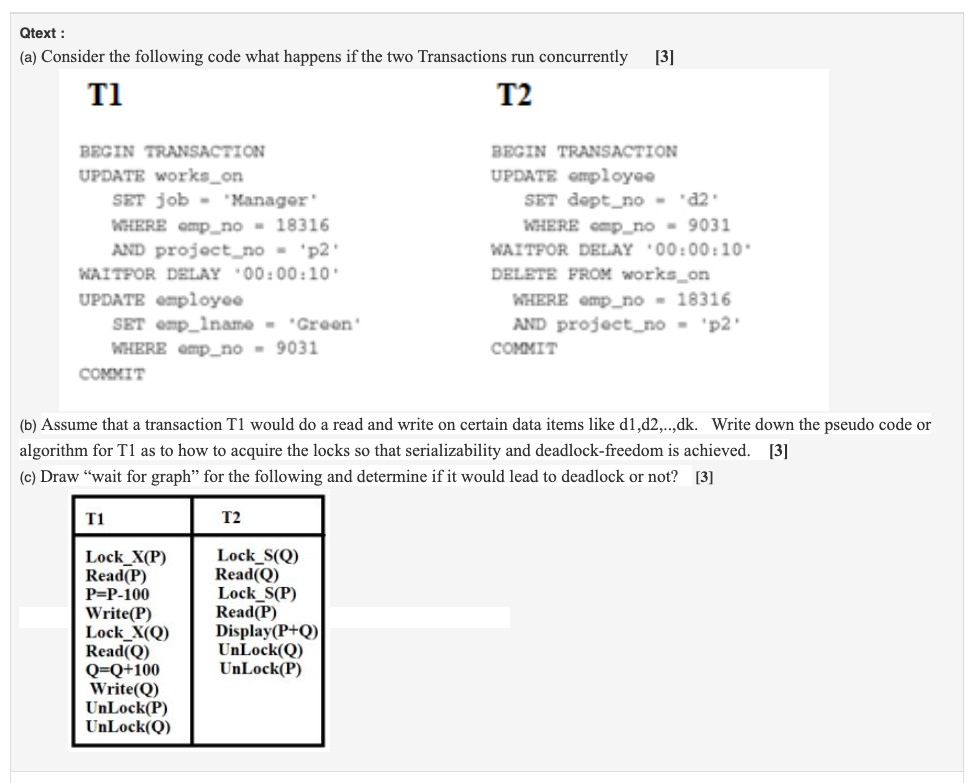
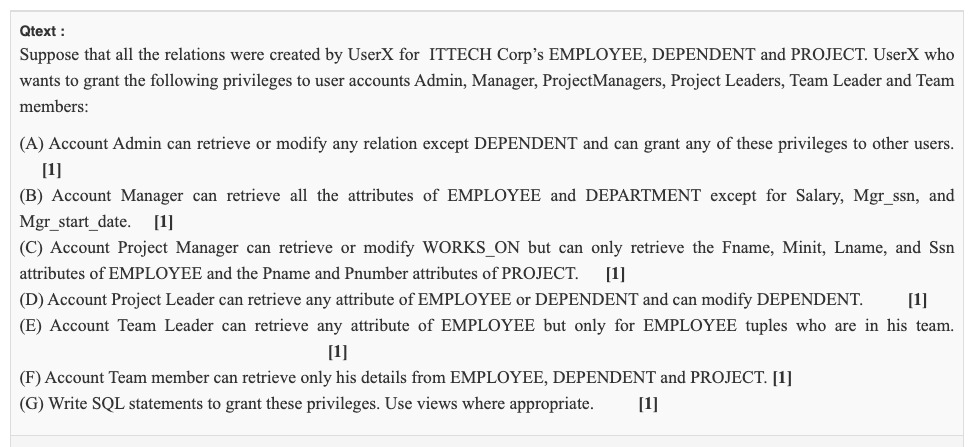
{ Perform projection early (reduces number of attributes)

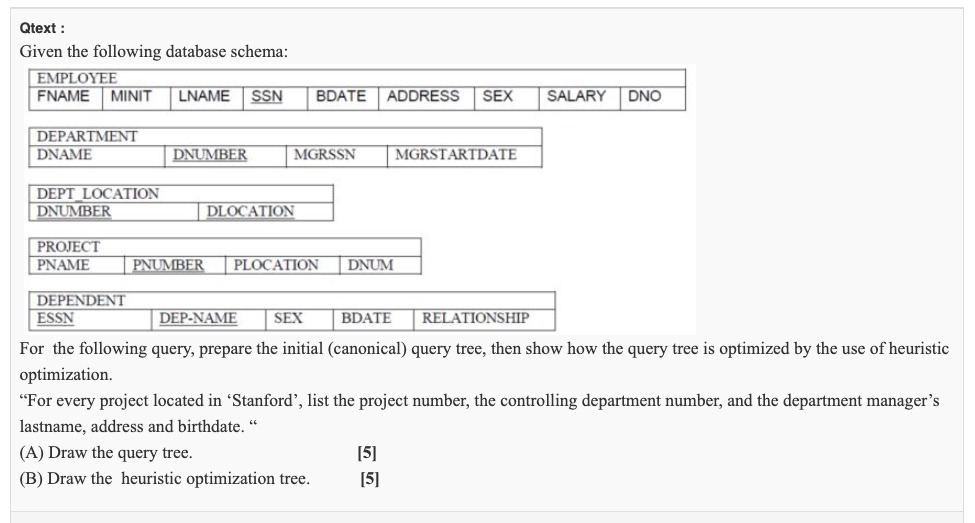
{ Perform most restrictive selection and join operations before

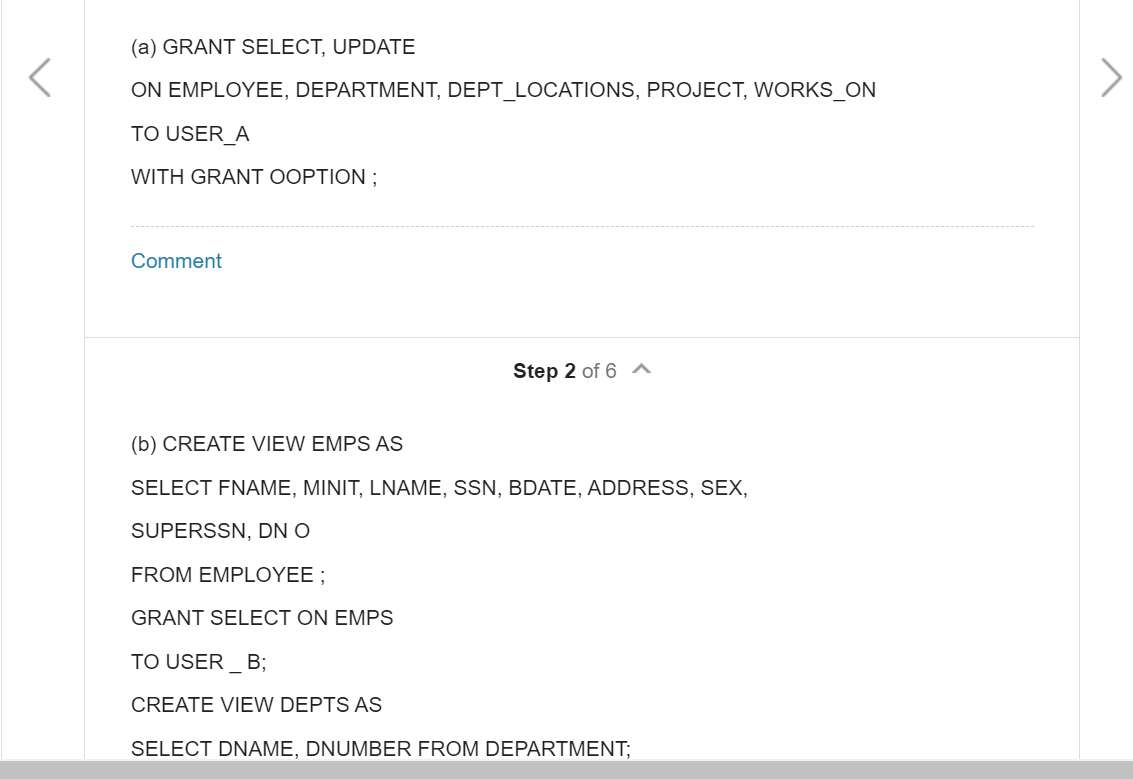
other similar operations.

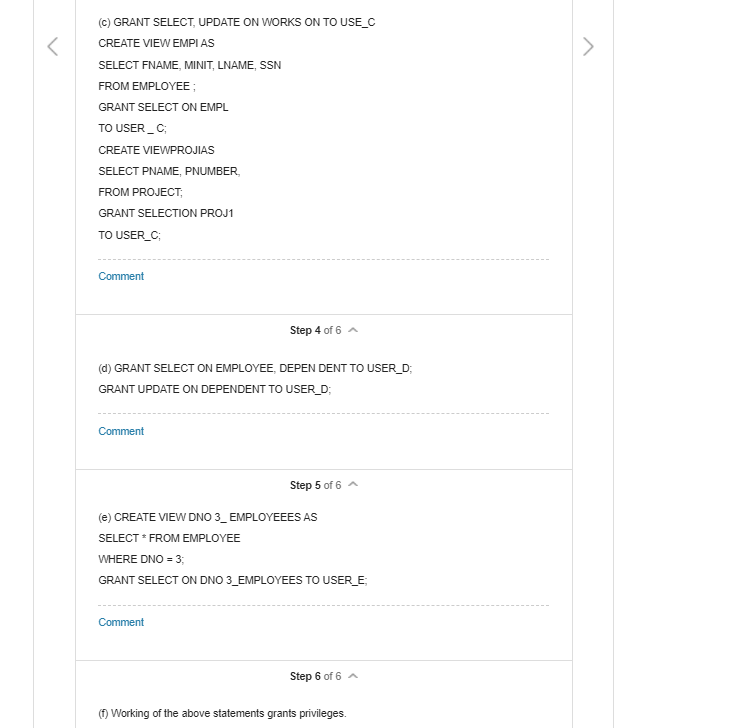


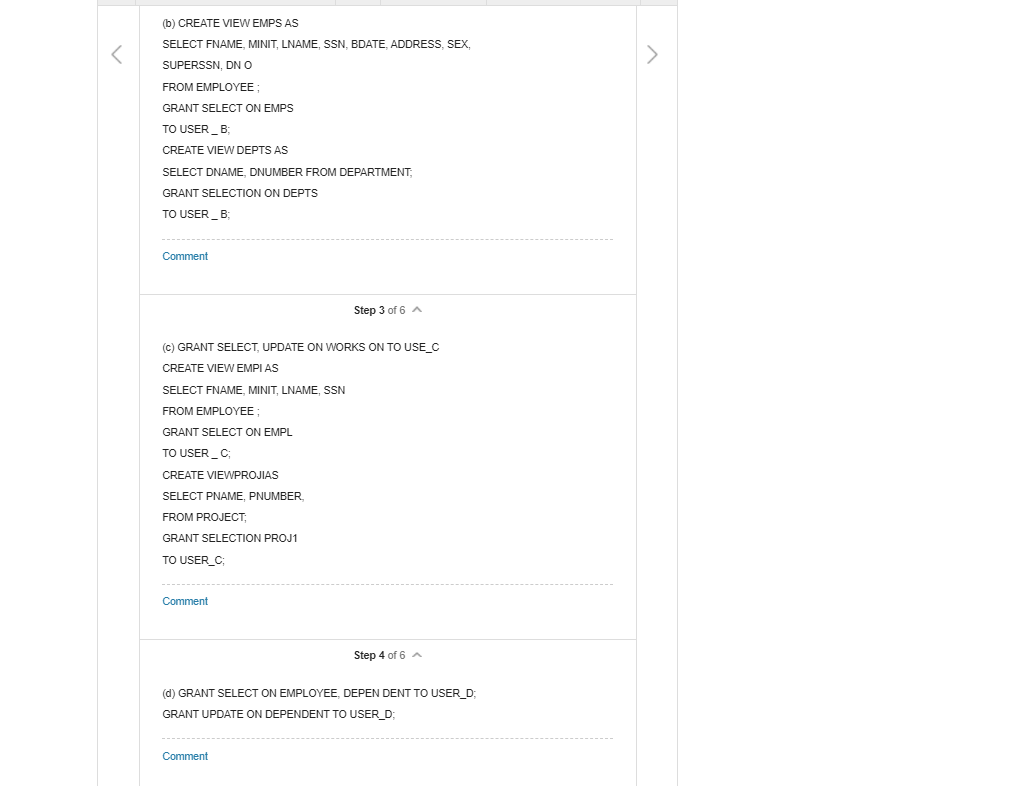










Q20.23 book

