

CS105.3 - Database Management Systems

Lab Sheet 8 – Answers

Q1)

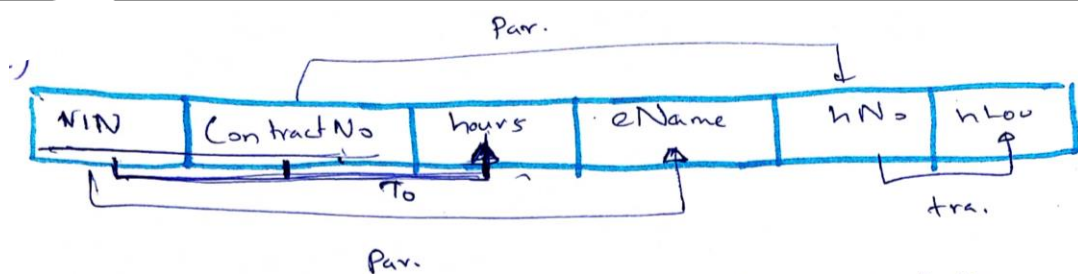
I . If several computers are allocated to a single staff member, then there will be a multi valued scenario in the *ComputerNbr* field and the primary key *StaffNbr* will be repeated.

II . We could separate the tables like below.

Hascomputer (CmptrNbr , Manu , Cost)

HasComputer_CmptrNbr (StaffNbr , CmptrNbr)

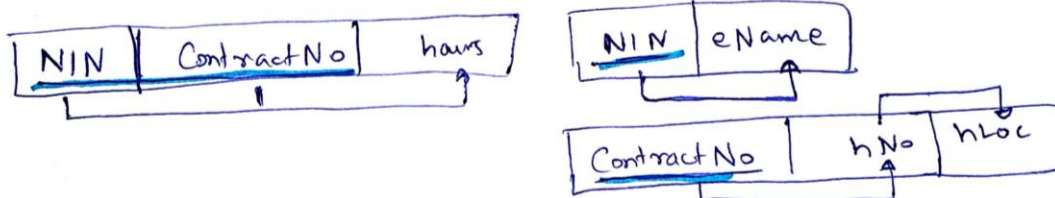
Q2)



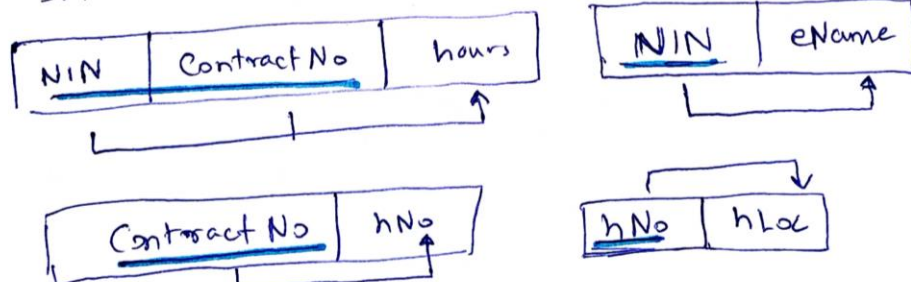
(2) 1NF → each att must depend on the ^{full or part of the} key, directly or indirectly.

∴ above illustration

2NF → remove partial



3NF → remove transitive



Q3)

