posemalizing data osing fuctioned dependencies up to BODF Aim: To Noomalize database using fuctional dependencies upto Bouf Hospital database 1. Identify hospital attributes; Palient TO, Parlient . Name, Doctor - ID, Doctor seure, Deposit neux, Room-no, Tseculiant. 2. Define orelinand scheme. Hospitall (Partent-ID, Proview-Name, Doctor ID Doctoor-Long, Deportrer, from 100, Torontus, 3. Determe buttond defendines (FDS) Bill - Amo (t) between albeitules Pallent-ID -> Patient were, Doctor - TD, Room NO, TOLEWINET, BILL-Amount. Doctog-ID -> Doctor-Dune, Depochent Room-100 -> Depresentment Step 2: comest to INF Eliminat suppositing groups or worky 2. create seperate tubies bus suppleating group

Step 3 convert to 2NF: 1. Ensure each non-key attoribute depend on the entione parincery key 2. Hove non-key attailable to sepecte tables if they depend only point af me princery kay. · orecule Doctor tuble: Doctor Opatos -70, Doctor-Dune, Department) · oreure pullout lable: Pretient Palient JD, Poelrew-Name, Doctour-ID, Room-No, Coeclonet, Bill-Amous) Stepu: convert to 3NF bues: true 1. Ensure place our no dependicies. 2. Hove non key attoubus to sepercue lables is mey depend on ano hear non-key attentibules · orecue Room kubio: Room (Room-lo) Deport news) · rep dute Pochoen rable: Doctor (coclou-70) Doctoon - Nene)

to bedie Sleps: content 1. Execute every determined us, or cenetiate key 2. check born overlupping consule keep 3. Decompose solution to elevicede ordiday needed · No Garner decomposition Griffith tool setup 1. oreute a new perogent in guiffath 2 pepul me Relational Schema and FDS 3. Fren Me "peperleny gruph" lood. 4. Andrige the gourph bown housezavion issues. S. Apply lowersbooncellon using the pooneline tool 6. perify BCNF compline using the 'BCNF cleck' 100l populized Schera. 1 Patient (Palient -ID, Rurent-Dave, Paclour DO, Room- NO , toccetent , Bill Amous) 2. Doctor (Doctor-ID, Doctor Lene) 3. foom/ Room-No, Departners)

VEL TECH-CSE
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PERFORMANCE (5)
RESULT AND ANALYSIS (5)
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TOTAL (20)
SIGN WITH DATE

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