Date: 30 [9 125 Task 8: Normalezing databases , functional depardences up to BCNF Alm: To Puplement the databases using functional dependes upto BCNF Fon Employee Database: 1. Employee attributes: Emp-Ib, Name, Dept, Job-Title, Manager-Ib, Have-bate, salary. 2. Defene relational schema: Employee l 3. Petermène bunchemal depardancées (FDS) Emp-Ib, Name, Dept - employee - It -> Name 1 Deptment, Job - Tell manager ID, Hore - bate Salary). Step 2: convert to INF 1. Elemengte the repeating groups 2. Move non-key attrabutes to reperate tables Create Department table Step 3: Convert to 2Nf 1. Ensure each non-kay altrebute depends on the entere premary Rey. 2. Mone non-trey other to the sepentiale tables of they depend only part premary Key on

Stp4: Convert to 3NF 1. Ensure those are no bransttere 2. Mone non-key attubutes to separate tables. Step 5: convert to BCNE 1. Ensure every determinant is a 2. Overlapping candidate keys. 3. hecompose relations. using guilles tool * Input the relational schema and functional dependances * Grillith tool generates a dependency graps. * Avalyze the graph * verefy the schema Steps: Create new project on Greeffeth. 2 pepere the relational schema 3. Rus et dependancy graph. 4. Apply toransformation

Normalized schema

- 1. Employee (Emp-ID, Name, Dept-ID, 106 - TPtle, Hore- Pale, salary).
- 2. Dept C Dept-ID, Manager -ID)-
- manager (Manager-FD, Names.

VEL TECH	-1
NO.	0
PERFORMANCE (5) RESULT AND ANALYS'S (5)	6
VIVA VOCE (5)	1
RECORD (5)	16
SIGN WITH DATE	1

Normaleseng dependences database database management employee is