- Task 8: normalizing Databass using Runctional Dependencies upto BONF
- 1. Identify Doctor attributes: Doctor-ID, Name, Department, Job-Title, Hise-Date, Balaxy.
- 2. Define relational schema: Doctor (Doctor ID, name, Depastment, Job_ Tible, Hise-Date, salasyl
- 3 Determine Runctional Department Between
- -Doctor- ID 7 Name, Department, Job Title, Hise - Date, Galaxy - Depastment - ID - 7 Name
- 6 tep 2: convext to INF
- 1. Eliminate repeating group or arrays
- 2. execute separate tables for each repeating

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- 9teP 3: GONVERT to 21VF 1. Frauxe each non-key attribute Depends on
 - the entire primary key
- 2-move non-key attributes to separate tables Is they depend on only past of key
- *create depart table: Department (Department ID,
- +create Doctor table: Doctor (Doctor ID, Name, Department - ID, Job - Title, Hire - Date, Galaxy)

Step 4: convext to 31V F. 1. Ensure there are no transitive 2 move non-key attributes to seperate tables it they bepends on another non-Hey -create patient table: patient (Patient ID, nore) Step 8: LONVEST to BONF 1. Enguse every Determinant is a candidate key 2. check for overlapping candidate key 3. Decompose relation to eliminate redundancy using Grappity Tool 1. Input relational scheme and functional dep 2 bisissity tool generates a Dependency goaph 3. Araly 20 the graph to identify narmalization 4. Apply normalization to iDentify gicheme Grackity Tool Steps 1. create a new project in graffity 2. Define the solutional scheme and FDs 3 hun the "Dependency Graph" tool. 4. Analyze the graph for normalization 3. Apply toans for mations using "Normalize" too) RESULT AND ANALYSIS (5) VIVA VOCE (5) RECORD (5) OTAL (20) SIGN WITH DATE Regult: Thus the normalizing Database jugars functional Dependencies upto BONF is Done successully.